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UNITED STATES GEOLOGICAL SURVEY

GEORGE OTIS SMITH, DIRECTOR

BULLETIN 518

RESULTS OF SPIRIT LEVELING
IN OHIO

1911

R. B. MARSHALL, CHIEF GEOGRAPHER

WORK DONE IN COOPERATION WITH THE STATE OF OHIO
C. E. SHERMAN, INSPECTOR



WASHINGTON
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1912

CONTENTS.

	Page.
Introduction	5
Cooperation	5
Previous publication.....	5
Personnel.....	6
Classification.....	6
Bench marks.....	6
Datum.....	7
Topographic maps.....	8
Primary leveling	9
Georgetown and Sardinia quadrangles (Brown County).....	9
Bainbridge, Chillicothe, Circleville, Era, Greenfield, and Roxabell quadrangles (Fairfield and Pickaway counties).....	14
Cardington, Fredericktown, Marion, Mount Gilead, Shauck, and Westerville quadrangles (Crawford, Delaware, Knox, Marion, Morrow, and Richland counties).....	25
Brinkhaven, Gambier, Loudonville, Perrysville, and Newark quadrangles (Ashland, Coshocton, Holmes, Knox, and Richland counties).....	39
Bellevue, Bucyrus, Norwalk, Sandusky, Shiloh, and Siam quadrangles (Crawford, Huron, Richland, and Seneca counties).....	46
Bellefontaine, Sidney, St. Paris, and Troy quadrangles (Champaign, Logan, Miami, and Shelby counties).....	58
Berne, Bobo, Bryan, Butler, Celina, Continental, Defiance, Halls Corners, Paulding, St. Henry, and Van Wert quadrangles (Defiance, Mercer, Paulding, Putnam, Van Wert, and Williams counties).....	63
Alvordton, Edon, Napoleon, Pioneer, Swanton, Toledo, and Wauseon quadrangles (Fulton, Henry, Lucas, and Williams counties).....	82
Appendix: Secondary elevations	100
Index	105

ILLUSTRATION.

	Page.
PLATE I. Geological Survey bench marks	5

3



GEOLOGICAL SURVEY BENCH MARKS.

A, Tablet used in cooperating States. The State name is inserted at G.
 B and D, Copper temporary bench mark, consisting of a nail and copper washer.
 A, C, and E, Tablets for stone or concrete structures.
 F, Iron post used where there is no rock.

RESULTS OF SPIRIT LEVELING IN OHIO IN 1911.

R. B. MARSHALL, Chief Geographer.

INTRODUCTION.

Cooperation.—The State of Ohio contributed financially to all the work of 1911 in this State.

Previous publication.—The following results of spirit leveling are supplemental to and in accord with the elevations contained in Bulletins 411 and 476, and are in agreement with the 1907 adjustment of precise leveling. Elevations were not changed by the 1912 adjustment. Corrections to Bulletin 411 should be noted as follows:

Page 16; the bench marks "Circleville, 2 miles north of" and "Crowley, 0.25 mile south of" have been destroyed.

Page 29, Hiram; aluminum tablet in northwest corner of foundation of brick store building opposite Y. M. C. A.; the elevation of this mark has been changed and now is 1,269.617 feet above mean sea level.

Page 38, Louisville, 0.22 mile west of station, bronze tablet stamped "1097 CANTON" reported mutilated; therefore, the elevation is doubtful.

Page 39, Zoar; bench mark is now 600 feet north of station, south side of track, in abutment of iron bridge 153-D over mill race, in coping stone; aluminum tablet stamped "893 STEUBENVILLE," elevation taken as 898.21 feet. The accuracy of this elevation is not known.

Page 55, Little Hocking; old bench mark on top of southwest abutment of pier of bridge over Little Hocking River has been destroyed. A new bench mark has been established in the northeast corner of the east pier of Baltimore & Ohio Southwestern R. R. water tank at Little Hocking River, the elevation of which is taken as 626.695 feet. The reliability of this elevation is not known.

Page 66, Madison; the elevation of bench mark near south end of rock cut on curve should be 686.321 feet.

Page 66, Mabec; 4.5 miles west of, in center of foundation of stone of Freedman Church; bronze tablet stamped "678 I." The elevation of this mark should be 679.856.

Page 66, Harrison Township; copper bolt stamped "788 I" in sandstone ledge 8 feet east of center of road (in narrow ravine). The elevation of this mark should be 789.945 feet.

Page 68, Odell; 6 miles north of, aluminum tablet in south side of foundation of west end of spring house owned by Albert White. This bench mark is in the Cambridge quadrangle.

Page 83, Claylick; aluminum tablet in sandstone abutment of county bridge over canal. This tablet is reported to be stamped 799 instead of 790, as given in the bulletin.

- Page 99, Mural; 4.1 miles south of, bronze tablet stamped "930 COL." Bench mark has been destroyed.
- Page 105, Africa; 0.25 mile west of, bronze tablet in top of south wing wall of iron bridge over Alum Creek. This mark has been destroyed.
- Page 106, Leonardsburg, bronze tablet stamped "971 C" on stone steps of warehouse. Connections with this bench mark in 1911 give an elevation of 982.506. Before this new elevation for the bench mark can be accepted it will be necessary to run some additional check lines.
- Page 107, South Columbus, 2.5 miles southeast of, iron post stamped "819 COLUMBUS 1899." This mark has been removed and not reset.
- Page 107, Canal Winchester, 0.5 mile south of; aluminum tablet stamped "758 COLUMBUS 1899". This bench mark has been destroyed.
- Page 112, Grand Rapids; 2.8 miles north of, aluminum tablet in stone steps of school-house at southwest corner of road crossing. Reported to have been destroyed.
- Page 133, Miamiville; aluminum tablet in east end of north abutment of Pennsylvania Railroad bridge over Little Miami River. This mark has been destroyed and a new one established. The description and elevation of the new mark are as follows: Miamiville, road crossing at forks of road east end of town, 35 feet east of Pennsylvania R. R., 20 feet south of center of road; iron post stamped "578," elevation 577.775 feet.
- Page 134: Sevenmile, center of north line of St. Clair Township, Sevenmile school-house (special district), in north foundation wall of east entrance, 2 feet above ground; aluminum tablet stamped "652 CINN". The tablet was removed to a new position, it now being located in door sill of front doorway; the elevation was not changed.

Quadrangle names appearing in Bulletins 411 and 476 have been changed, as follows:

Eaton to Oxford.
 Fremont to Edon.
 Jeffersonville to Octa.
 Manchester to Rectortville.
 Mansfield to Shiloh.

Marysville to Milford Center.
 Plimpton to Loudonville.
 Portsmouth to Garrison.
 Scioto to Sciotoville.
 Winchester to Lynn.

Personnel.—The field work of 1909 and 1910 was done under the supervision of W. H. Herron, geographer, under the general direction of R. B. Marshall, chief geographer. Credit is given to the different levelmen in the introduction to each list. The office work of computation, adjustment, and preparation of lists was done mainly by S. S. Gannett, geographer, and D. H. Baldwin, topographer, under the general direction of E. M. Douglas, geographer.

Classification.—No precise leveling was done in 1911 by the United States Geological Survey in this State. For primary lines standard Y levels are used; lines are run in circuits or are closed on precise lines, with an allowable closing error in feet represented by $0.05\sqrt{D}$, in which D is the length of the circuit in miles, sufficient care being given to the work to maintain this standard. For all levels of this class careful office adjustments are made, the circuit closure errors being distributed over the lines.

Bench marks.—The standard bench marks are of two forms. The first form is a circular bronze or aluminum tablet (C and E, Pl. I),

3½ inches in diameter and one-fourth inch thick, having a 3-inch stem, which is cemented in a drill hole in solid rock, in the wall of some public building, in a bridge abutment, or in other substantial masonry structure. The second form (*F*, Pl. I), employed where masonry or rock is not accessible, consists of a hollow wrought-iron post 3½ inches in outer diameter and 4 feet in length after being split at the bottom and expanded to 10 inches in order to give a firm bearing on the earth. A bronze or aluminum-bronze cap is riveted over the top of the post, which is set about 3 feet in the ground. A third style of bench mark with abbreviated lettering (*B* and *D*, Pl. I) is used for unimportant points. This consists of a special copper nail 1½ inches in length driven through a copper washer seven-eighths of an inch in diameter.

The tablets, as well as the caps on the iron posts, are appropriately lettered, and for cooperating States the fact of such cooperation is indicated by the addition of the State name (*G*, Pl. I). The numbers stamped on the bench marks described in the following pages represent the elevations to the nearest foot as determined by the levelman. These numbers are stamped with $\frac{3}{8}$ -inch steel dies on the tablets or post caps, to the left of the word "feet." The office adjustment of the notes and the reduction to mean sea-level datum may so change some of the figures that the original markings are 1 or 2 feet in error. It is assumed that engineers and others who have occasion to use the bench-mark elevations will apply to the Director of the United States Geological Survey, at Washington, D. C., for the adjusted values, and will use the markings as identification numbers only.

Datum.—All United States Geological Survey elevations are referred to mean sea level, which is the level that the sea would assume if the influence of winds and tides were eliminated. This level is not the elevation determined from the mean of the highest and the lowest tides, nor is it the half sum of the mean of all the high tides and of the mean of all the low tides, which is called half-tide level. *Mean sea level is the average height of the water, all stages of the tide being considered.* It is determined from observations made by means of tidal gages placed at stations where local conditions, such as long, narrow bays, rivers, and like features, will not affect the height of the water. To obtain even approximately correct results these observations must extend over at least one lunar month, and if great accuracy is desired they must extend over several years. At ocean stations half-tide level and mean sea level usually differ but little. It is assumed that there is no difference between the mean sea level as determined from observations in the Atlantic Ocean, the Gulf of Mexico, or the Pacific Ocean.

The connection with tidal stations for bench marks in certain areas that lie at some distance from the sea coast is still uncertain, and this fact is indicated by the addition of a letter or a word to the right of

the word "Datum" on tablets or posts. For such areas corrections of published results will be made from time to time as the precise-level lines of the United States Geological Survey or other Government organizations are extended.

Topographic maps.—Maps of the following quadrangles, wholly or partly in Ohio, have been published by the United States Geological Survey up to July 1, 1912. They may be obtained, except as noted, for 5 cents each or \$3 a hundred on application to the Director of the Survey, at Washington, D. C.:

Akron.	Dayton. ²
Alliance.	Defiance.
Andover (Ohio-Pa.).	Delaware.
Antrim.	Delphos.
Arlington.	Deshler.
Ashland.	Dublin.
Ashtabula.	East Cincinnati (Ohio-Ky.). ³
Athalia (Ohio-W. Va.).	East Columbus.
Athens.	Elmore.
Belleville (W. Va.-Ohio).	Euclid. ¹
Bellevue.	Findlay.
Berea. ¹	Flushing.
Bidwell.	Fostoria.
Blanchester.	Frazeyburg.
Bluffton.	Fremont.
Bowling Green.	Garrettsville.
Bristolville. ²	Glenwood (W. Va.-Ohio).
Brookville.	Granville.
Cadiz.	Greenville.
Cambridge.	Guyandot (W. Va.-Ohio). ⁴
* Cameron (W. Va.-Ohio-Pa.).	Hamilton.
Canton.	Huntington (W. Va.-Ohio-Ky.). ⁴
Chagrin Falls.	Ironton (Ohio-Ky.).
Chardon.	Jefferson. ²
Chesterhill. ²	Keno (Ohio-W. Va.).
Chillicothe.	Kenova (Ky.-W. Va.-Ohio).
Cincinnati (Ohio-Ky.) double sheet. (10 cents). ³	Kent.
Clarington (Ohio-W. Va.).	Kinsman (Ohio-Pa.).
Cleveland. ¹	Lancaster.
Cleveland and vicinity. ¹	Lima.
Columbiana (Ohio-Pa.).	Lisbon.
Columbus Grove.	Logan.
Conesville.	London.
Conneaut (Ohio-Pa.).	McClure.
Continental.	McConnellsville.
Covington.	Macksburg.
	Marietta (Ohio-W. Va.).

¹ Cleveland and vicinity map includes parts of Cleveland, Euclid, and Berea sheets.

² Shows wooded areas.

³ Cincinnati double sheet includes East Cincinnati and West Cincinnati sheets.

⁴ Guyandot sheet shows part of Huntington quadrangle on larger scale.

Marion.
 Mason.
 Massillon.
 Maumee Bay (Ohio-Mich.).
 Medina.
 Mentor.
 Miamisburg.
 Mount Sterling.
 Napoleon.
 Newark.
 New Lexington.
 New London.
 New Martinsville (W. Va.-Ohio).
 New Matamoras (Ohio-W. Va.).
 Oak Harbor.
 Oberlin.
 Ottawa.
 Parkersburg (Ohio-W. Va.).
 Perry.
 Philo.
 Point Pleasant (W. Va.-Ohio).
 Pomeroy (Ohio-W. Va.).
 Put-in-Bay.
 Ravenna.
 Ravenswood (W. Va.-Ohio).
 St. Clairsville.
 St. Henry.
 St. Marys (W. Va.-Ohio).¹
 Salineville.

Sandusky.
 Sdo.
 South Charleston.
 Springfield.
 Steubenville (Ohio-W. Va.-Pa.).
 Sycamore.
 Thornville.
 Thurston.
 Tiffin.
 Toledo (Ohio-Mich.).
 Uhrichsville.
 Upper Sandusky.
 Vermilion.
 Warren.
 Waverly.
 Wellington.
 Wellsville (Ohio-W. Va.-Pa.).
 West Cincinnati (Ohio-Ky.).²
 West Columbus.
 Westerville.
 West Manchester.
 West Salem.
 Wheeling (W. Va.-Ohio-Pa.).
 Wilkesville.
 Woodsfield.
 Wooster.
 Youngstown (Ohio-Pa.).
 Zaleski.¹
 Zanesville.

PRIMARY LEVELING.

Georgetown and Sardinia quadrangles.

BROWN COUNTY.

The elevations in the following list were determined by primary leveling and accord with elevations published in Bulletin 476.

The leveling was done in 1911 by C. E. Mills.

GEORGETOWN QUADRANGLE.

Ripley northwest and north along the Ohio River & Columbus Ry. through Levanna to point near Sardinia.

	Feet.
Ripley, southwest corner of Main and Second streets, 8 feet west of corner, on stone curbing; chiseled square.....	506.42
Ripley, 0.8 mile northwest of, trestle over Cornick's Creek, in west end of south guard rail; copper nail marked "506.9".....	506.90
Ripley, 2 miles northwest of, trestle over creek, in east end of south guard rail; copper nail marked "507.683".....	507.69
Levanna, T road north at post office, on south side of road, at southwest corner of small wooden bridge over drain; iron post stamped "Prim. Trav. Sta. No. 30, 1910 OHIO 514".....	513.726

¹ Shows wooded areas.

² Cincinnati double sheet includes East Cincinnati and West Cincinnati sheets.

Levanna, 1.25 miles northwest of, at Fishing Shore station, on southwest corner of stone foundation of wagon scales between public road and railroad, in front of Ohio Valley Summer Resort; chiseled square.....	Feet. 505.42
Levanna, 1.8 miles northwest of, at bend to north 1 foot south of warning post, southwest corner of road crossing; iron post stamped "518".....	517.529
Levanna, 2.8 miles northwest of, at Reeds station, northeast corner of road crossing, in base of fence post; spike marked "504.8".....	504.83
Levanna, 3 miles northwest of, 0.3 mile north of Reeds station, north side of road crossing, in south end of east guard rail of small wooden bridge; bolt head painted white.....	506.80
Levanna, 4.3 miles northwest of, Center Point station, at northwest corner of station platform; copper nail.....	526.52
Georgetown, 4.2 miles south of, 0.9 mile south of Hillmans station, in north end of east guard rail of small wooden trestle; copper nail marked "635.5".....	635.55
Georgetown, 3.3 miles south of, at Hillmans station, 50 feet west of railroad, on south side of public road, at road crossing; iron post stamped "732".....	732.488
Georgetown, 0.9 mile south of, on west side of railroad, in base of telegraph and mile pole 12; spike marked "923.7".....	923.76
Georgetown, 55 feet west of railroad at road crossing, 20 feet west of northwest corner of station, south side of road; iron post stamped "935".....	935.420
Georgetown, 1 mile north of, in base of first telegraph pole south of mile pole 14; spike marked "957.9".....	957.98
Georgetown, 1.7 miles north of, southeast corner of road crossing, in base of warning post; spike marked "958.1".....	958.20
Georgetown, 3.2 miles north of, southeast corner of road crossing at Wahlsburg station; iron post stamped "957".....	957.214
Georgetown, 3.9 miles north of, southwest corner of road crossing, in base of fence post; spike marked "956.9".....	957.03
Georgetown, 4.9 miles north of, 10 feet west of railroad, south end of small wooden bridge across road at crossing at West Arnheim station; copper nail.....	957.36
Browntown, 1.8 miles south of, on west side of railroad, in mile pole 19; spike marked "966.8".....	966.85
Browntown, 1.3 miles south of, northwest corner of private road crossing, in southeast corner of platform; copper nail marked "969.3".....	969.41
Browntown, northeast corner of station platform; copper nail marked "975.55".....	975.64
Browntown, northwest corner of crossroads; iron post stamped "967".....	966.755
Sardinia, 1.3 miles south of, on west side of track, in base of telephone pole 975; spike marked "961.2".....	961.26
Point near Levanna west along highway to Higginsport, thence north to point near Georgetown.	
Higginsport, 3.5 miles east of, in northwest corner of small steel bridge over creek at road forks; copper nail marked "497.8".....	497.84
Higginsport, 2 miles east of, northeast corner of T road north up Sink Creek, in base of telephone pole; spike marked "516.099".....	516.10
Higginsport, 0.8 mile east of, northeast corner of large steel bridge over White Oak Creek at road forks; copper nail marked "496.9".....	496.86
Higginsport, 0.5 mile northeast of, on south side of road, in base of telephone pole; spike marked "500.930".....	500.92
Higginsport, 1.6 miles northeast of, private road west at Boat Run, in northwest corner of small steel bridge across creek; copper nail marked "508.35".....	508.34

Higginsport, 3 miles northeast of, southwest corner of T road west uphill, on southwest corner of stone drain; painted square marked "532.7"	Feet. 532. 67
Higginsport, 3.8 miles northeast of, on Georgetown pike, 4 miles southwest of Georgetown, 100 feet west of covered bridge over White Oak Creek, southeast corner of road forks; iron post stamped "546"	545. 766
Georgetown, about 3.8 miles southwest of, at top of hill on dirt road, in base of post at north end of gate into field, at north end of barn; copper nail marked "860.4"	860. 35
Georgetown, 2.5 miles southwest of, 200 feet northeast of schoolhouse, southwest corner of crossroads, in south end of drain; copper nail marked "881.2"	881. 16
Georgetown, 3.2 miles northwest of, southwest corner of road forks, in base of telephone pole; nail marked "930.0"	929. 99
Georgetown, 2.8 miles northwest of, northeast corner of road forks; iron post stamped "881"	881. 061

Georgetown northwest along highway 3 miles.

Georgetown, northeast corner of Main Street and Grant Avenue, 9 feet west of southwest corner of Lewis Hotel, on concrete curbing; chiseled square marked "928.3"	928. 34
Georgetown, 1.6 miles west of, center of road forks, in base of telephone pole; spike marked "702.8"	702. 93

Higginsport west 2 miles, thence north to Hamersville.

Higginsport, southwest corner of Columbia and White Oak streets; iron post stamped "507"	507. 162
Higginsport, 1.3 miles southwest of, west of T road north up hill, in northeast corner of small steel bridge floor; copper nail, marked "502.7"	502. 71
Boudes Ferry, northwest corner of T road north up hill and road south to Ohio River; iron post stamped "501"	501. 179
Boudes Ferry, 1.2 miles north of, southeast corner of road forks, in base of telephone pole; spike marked "867.7"	867. 69
Boudes Ferry, 3.1 miles northeast of, on south side of road at road forks, in base of telephone pole on north bank of Bull Skin Creek; spike marked "758.0"	757. 85
Boudes Ferry, 3.5 miles northeast of, on large stone in center of road forks; painted square marked "828.0"	828. 03
Feesburg, 2.2 miles south by 1.2 miles southeast of, north side of road at forks, at Barr schoolhouse; iron post stamped "904"	904. 416
Feesburg, 2.2 miles south of, northeast corner of road forks, 4 feet north of mailbox, in base of 8-inch locust tree; spike marked "839.4"	839. 41
Feesburg, 1 mile south of, on east side of road at forks of Higginsport and Felicity pikes, in base of fence post; spike marked "866.4"	866. 36
Feesburg, southwest corner of T road west, 7 feet north of pump, in base of telephone pole; spike marked "941.95"	941. 94
Feesburg, 0.5 mile west of, on north side of road at T road south, at Rose Cemetery; iron post stamped "Prim. Trav. Sta. No. 24, 1910, 932"	932. 175
Feesburg, 1.3 miles west of, south side of road, in base of telephone pole; spike marked "910.163"	910. 15
Hamersville, 1.2 miles south of, southwest corner of T road west, in base of fence post; spike marked "957.6"	957. 61
Hamersville, northwest corner of Main and Orchard streets, 40 feet northwest of center of street crossing, on west side of Orchard Street; iron post stamped "968"	967. 767

Georgetown east along electric railroad to Russellville.

	Feet.
Georgetown, 0.9 mile east of, in base of pole 2335; spike marked "942.921"	943. 01
Georgetown, 2.1 miles east of, on north side of railroad, in southwest corner of drain across road; spike marked "878.2"	878. 31
Georgetown, 2.7 miles east of, west bank of Straight Creek, west abutment south end of railroad bridge over road and creek at forks; chiseled square marked "840.7"	840. 81
Georgetown, 3.5 miles east of, northwest corner of road crossing, in base of trolley brace pole; spike marked "888.804"	888. 91
Russellville, 2.3 miles west of, on Georgetown pike, southeast corner of T road south, in base of telephone pole; spike marked "928.7"	928. 81
Russellville, 1 mile west of, southwest corner of bridge floor, at T road south; copper nail marked "919.5"	919. 60
Russellville, east side of public square, 2 feet north of jail and voting house, 35 feet west of Ripley pike; iron post stamped "975"	975. 473

Point near Sardinia southeast along Norfolk & Western Ry. to Five Points.

Sardinia, 1.7 miles east of, southeast corner of crossroads, in base of telephone pole; spike marked "975.8"	975. 93
Five Points (Biehn), southwest corner of crossroads; iron post stamped "1000"	1, 000. 984
Five Points (Biehn), 0.7 mile east of, on southwest corner of cover stone at south end of stone box culvert at milepost C-50 plus 2467; chiseled cross marked "998.3"	998. 964

Point near Mount Orab south along highway to point near Hamersville.

Mount Orab, 2.1 miles south of, southwest corner of crossroads, in base of telephone pole; spike marked "944.7"	944. 71
Mount Orab, 3.4 miles south of, northeast corner of road forks, in base of telephone pole; spike marked "945.3"	945. 31
New Hope, northeast corner of Philip Krum's store, 10 feet east of, on west side of Georgetown pike; iron post stamped "889"	888. 574
New Hope, 0.9 mile south of, on west side of road at road forks, in base of brace to telephone pole; spike marked "848.4"	848. 39
New Hope, 1.6 miles southwest of, southeast corner of road forks, in east end of wooden drain; spike head painted white, marked "931.979"	931. 99
White Oak Valley, 1 mile north of, 200 feet west of one-story brick house, in southeast corner of small wooden bridge across creek; copper nail marked "878.1"	878. 15
White Oak Valley, 200 feet north of covered bridge over White Oak Creek, southwest corner of road forks; iron post stamped "799"	799. 196
White Oak Valley, 0.7 mile west of, on north bank of creek, southwest corner of forks, on large stone at base of fence post; painted square, marked "850.0"	850. 01
White Oak Valley, 1.25 miles west of, northeast corner of crossroads on Unity Creek, on stone at fence post; painted square marked "886.2" ..	886. 22
White Oak Valley, 1.25 miles west by 0.5 mile southwest of, at east end of wooden drain at road forks; nail head painted white, marked "927.1" ..	927. 12
Hamersville, 1.8 miles southeast of, southwest corner of crossroads, in base of telephone pole; spike marked "966.832"	966. 86

Locust Ridge south to Hamersville, thence southeast to point near Georgetown.

Locust Ridge, at northeast corner of schoolhouse (subdistrict No. 1) yard, 10 feet south of road; iron post stamped "919"	Feet. 918.641
Locust Ridge, 0.7 mile east of, southwest corner of T road south, in base of fence post; spike marked "931.6"	931.68
Locust Ridge, 0.7 mile east by 0.7 mile south of, southwest corner of crossroads, at south end of stone drain; painted square, marked "925.7"	925.72
Locust Ridge, 0.7 mile east by 1.5 miles south of, southwest corner of crossroads, in base of telephone pole; spike marked "934.2"	934.23
Locust Ridge, 0.7 mile east by 2.2 miles south of, southeast corner of T road east, in base of fence post; spike marked "920.6"	920.61
Hamersville, 1.25 miles northwest by 0.4 mile north of, southeast corner of crossroads, in south end of wooden drain; spike head painted white marked "943.3"	943.38
Hamersville, 1.25 miles northwest of, southeast corner of crossroads, in base of telephone pole; spike marked "940.358"	940.38
Hamersville, northwest corner of Main and Orchard streets, 40 feet northwest of center of street crossing, on west side of Orchard Street; iron post stamped "968"	967.767
Hamersville, 1.4 miles southeast of, southeast corner of crossroads at schoolhouse, in east end of wooden drain; copper nail marked "978.069"	978.07
Hamersville, 1.8 miles southeast of, southwest corner of crossroads, in base of telephone pole; spike painted "966.832"	966.86
Hamersville, 3.2 miles southeast of, northeast corner of T road north, in base of telephone pole; spike marked "946.0"	945.98
Georgetown, 3 miles northwest of, northeast corner of road forks, in small wooden bridge at southeast corner; copper nail marked "895.0"	894.98
Georgetown, 2.8 miles northwest of, northeast corner of road forks, 100 feet west of small wooden bridge across pike; iron post stamped "881"	881.061

SARDINIA QUADRANGLE.

Sardinia west along Norfolk & Western Ry. through Mount Orab to Eastwood, thence south along highways to Locust Ridge.

Sardinia, 0.2 mile west of, southeast corner of road crossing over Norfolk & Western Ry. and Ohio & Columbus River Ry. tracks, 1 foot from warning post; iron post stamped "961"	961.431
Sardinia, 0.7 mile west of, at road crossing; top of rail	941.80
Sardinia, 1.4 miles west of, rail rack at milepost "P-61-C-46," in top of east post; copper nail marked "950.6"	950.65
Sardinia, 1.9 miles west of, southwest corner of road crossing, in base of cattle guard; spike marked "951.85"	951.93
Sardinia, 3.1 miles west of, southwest corner of road crossing, in base of cattle guard; spike marked "933.2"	933.24
White Oak, northeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 92, 1909, 951"	950.827
Mount Orab, 1 mile east of, on south side of road, in base of telephone pole 2664, spike marked "953.15"	953.21
Mount Orab, southeast corner of High Street and Broadway, on corner of concrete sidewalk; painted square, marked "942.302"	942.36
Mount Orab, 0.7 mile south of, northeast corner of T road west and private road east, in base of telephone pole; spike marked "940.2"	940.25
Mount Orab, at station, northwest corner of road crossing, 15 feet north of railroad, 5 feet west of sidewalk; iron post stamped "921"	920.792

Milepost C-40 plus 4850, northeast corner of third course above bridge seat course of bridge 2049, west abutment (no cross could be found):	Feet.
Norfolk & Western Ry. elevation.....	923. 902
U. S. Geological Survey elevation.....	923. 31
Mount Orab, 1 mile west of station, southwest corner of private road crossing at signpost "Station 1 mile," in base of gate post; bolt marked "947.6"...	947. 64
Mount Orab, 1.25 miles west of, northwest corner of T road north, in north end of wooden culvert; spike head marked "944.9".....	944. 93
Mount Orab, 2.5 miles west of, northeast corner of crossroads, in base of telephone pole 2814; spike marked "942.184".....	942. 23
Eastwood, 0.7 mile south of, northwest corner of crossroads; iron post stamped "922".....	922. 209
Eastwood, 2.25 miles south by 0.3 mile west of, southwest corner of crossroads, in base of fence post; spike marked "920.5".....	920. 52
Locust Ridge, 1.5 miles north by 0.4 mile east of, on south side of road at T road north, in base of telephone pole; spike marked "919.9".....	919. 94
Locust Ridge, 1.5 mile north of, north side of road at T road south, in base of telephone pole; spike marked "914.0".....	914. 06

Bainbridge, Chillicothe, Circleville, Era, Greenfield, and Roxabell quadrangles.

FAIRFIELD AND PICKAWAY COUNTIES.

The elevations in the following list were determined by primary leveling based upon the Geological Survey precise line from Chillicothe to Columbus and accord with the elevations as published in bulletins 411 and 476.

The leveling was done in 1911, in the Chillicothe and Circleville quadrangles by James Rayburn and J. J. McNulta, and in the Era, Greenfield, Bainbridge, and Roxabell quadrangles by McNulta.

BAINBRIDGE QUADRANGLE.

Near Bainbridge.

Bainbridge, 1.5 miles northeast of, in northeast corner of crossroads; iron post stamped "711".....	Feet.
	711. 478

CHILLICOTHE QUADRANGLE.

Meade to Kingston (portion of line).

Meade, in southeast corner of crossroads, opposite McAfee's store; iron post stamped "775 OHIO".....	774. 661
Meade, 1 mile southwest of, southwest corner of T road northwest, on rock in culvert; chiseled square, painted "U. S. T. B. M. 739.5".....	739. 62
Kingston, in water table at southwest corner of south face of Kingston Hotel, at northeast corner of Main and Pickaway streets; aluminum tablet stamped "796".....	796. 483

Bench mark near Amanda connected with line from Leistville.

Amanda, 0.8 mile east of, on east side of pike at fork to west, 80 feet south of culvert; iron post stamped "Prim. Trav. Sta. No. 7, OHIO, 941".....	941. 064
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Elevations along west border of quadrangle.

Chillicothe, on pedestal of lamp-post on north side of steps of front entrance of courthouse; chiseled square marked "B. M." (C. & G. S. b. m. Q.)...	638. 001
Chillicothe, 2 miles north of, at switch to Marfield's Mill; top of north rail..	635. 2

Chillicothe, Paint Street crossing of Cincinnati, Hamilton & Dayton Ry.; top of south rail of main track.....	Feet. 620. 36
Chillicothe, 1 mile south of, southwest corner of crossroads; copper b. m. nail in side of telephone pole.....	613. 70
Chillicothe, 2 miles south of, copper b. m. nail in top of guard rail.....	625. 14

CIRCLEVILLE QUADRANGLE.

Circleville southeast along highway to Leistville, thence southwest to point near Meade (portion of line).

Circleville, at northwest corner of main building of courthouse; iron post stamped "Prim. Trav. Sta. No. 4, 694".....	693. 568
Circleville, 1.9 miles southeast of, at road south, in fence post east of road; copper, nail stamped "721".....	721. 16
Circleville, 3.25 miles southeast of, at district No. 5 schoolhouse, southeast corner of crossroads, on rock in culvert; chiseled square marked "804.5".....	804. 47
Circleville, 4.4 miles southeast of, in corner of yard of E. Thatcher's house, southwest corner of Thatcher's crossroads; iron post stamped "854 OHIO".....	853. 967
Circleville, 6.3 miles southeast of, 100 feet northwest of crossroads, on southeast wing wall of bridge; chiseled square, painted "U. S. T. B. M. 818".....	818. 10
Leistville, in northeast corner of crossing of Circleville and Adelphi pike and Maysville pike; iron post stamped "851 OHIO".....	851. 213
Meade, 0.7 mile northeast of, at road to east, in corner post of wire fence, northeast corner of road; copper nail, painted "U. S. T. B. M. 806.3".....	806. 36

Leistville northeast along highway to Oakland, thence west 1 mile to crossroads, thence north to Circleville pike, thence east to point near Amanda (portion of line).

Leistville, 1 mile northeast of, 500 feet southwest of crossroads, on northeast wing wall of bridge over stream; chiseled square, painted "U. S. T. B. M. 841".....	840. 97
Leistville, 2.2 miles northeast of, at road south, southeast angle of road, in box culvert; copper nail painted "U. S. T. B. M. 969".....	968. 99
Leistville, 2.9 miles northeast of, southeast corner of T road south, in corner fence post; copper nail, painted "U. S. T. B. M. 975".....	975. 08
Tarlton, northwest corner of Main and German streets, at southwest corner of Ingham Wylie's house; iron post stamped "892 OHIO".....	891. 828
Tarlton, 1.4 miles north of, at T road east, west side of road, in corner fence post on section line; copper nail, marked "U. S. T. B. M. 1065.3".....	1, 065. 32
Oakland, 1 mile south of, northeast corner of crossroads, in telephone pole; copper nail, painted "U. S. T. B. M. 1063.20".....	1, 063. 14
Oakland, at road west on section line, north end of town, east side of road at head of T, in telephone pole; copper nail, stamped "U. S. T. B. M. 1053.3".....	1, 052. 23
Oakland, 1.6 miles west of, 3 miles north of Tarlton, in southwest corner of crossroads, in northeast corner of yard of district No. 16 schoolhouse and United Brethren Church; iron post stamped "1015 OHIO".....	1, 015. 305
Oakland, 3.1 miles west of, at T road east; top of section corner rock painted "U. S. T. B. M. 1091.5".....	1, 091. 48
Amanda, 2.7 miles west of, intersection of Lancaster pike at Israel Evangelical Lutheran Church, in southwest angle of road, opposite David Young's house; iron post stamped "974 OHIO".....	973. 600

Amanda, 1.7 miles west of, iron bridge over Clear Creek, in southeast wing wall, center of top rock, 3 inches from west edge; chiseled square, painted "U. S. T. B. M. 891.4".....	Feet. 891. 25
Amanda, 1,500 feet west of railroad crossing T road north to Royalton, 50 feet west of road, on coping stone of stone culvert south of road; chiseled square, painted "U. S. T. B. M. 902.8".....	902. 69
Point near Amanda north to Royalton, thence west to Ashville, thence south to point 4 miles north of Circleville.	
Amanda, 1.2 miles north of, east side of road at T road west, 15 feet south of center of T, in telephone pole; copper nail, stamped "U. S. T. B. M. 938.8".....	938. 72
Amanda, 2.1 miles north of, at road intersection, north side of road, 60 feet northwest of center of intersection, in small telephone pole; copper nail, painted "U. S. T. B. M. 934.5".....	934. 39
Amanda, 3 miles north of, southwest corner of crossroads at Amanda Township Cemetery, in corner of cemetery; iron post stamped "OHIO 935".....	934. 964
Royalton, 1.5 miles south of, in southwest corner of wing wall of iron bridge, 200 feet south of crossroads; chiseled square, painted "U. S. T. B. M. 940.5".....	940. 32
Royalton, at southeast corner of public school building; iron post stamped "Prim. Trav. Sta. No. 6, 1906, OHIO 1011".....	1, 011. 211
Royalton, 1.2 miles west of, southeast angle of lane south, in telephone pole; copper nail, painted "U. S. T. B. M. 959".....	959. 02
Royalton, 2 miles west of, at crossroads, northeast angle of crossroads, in telephone pole; copper nail, stamped "U. S. T. B. M. 932".....	931. 66
Royalton, 3.7 miles west of, at southwest corner of yard of H. S. Keigern, northeast corner of crossroads; iron post stamped "877 OHIO".....	876. 782
Royalton, 4.6 miles west of, southwest corner of crossroads, in concrete foundation of corner post of farm fence; chiseled square, painted "U. S. T. B. M. 832.6".....	832. 38
Ashville, 4.5 miles east of, on east side of road at T road east; iron post stamped "Prim. Trav. Sta. No. 5, 1906, OHIO 790".....	789. 943
Ashville, 3.5 miles east of, T road west, at Brinker's store, east side of road, chiseled square on fence post foundation; copper nail, painted "U. S. T. B. M. 732.9".....	732. 66
Ashville, 2 miles east of, 800 feet east of Walnut Creek crossing, in northwest corner of crossroads; iron post stamped "712 OHIO".....	711. 929
Ashville, 1.5 miles east of, south side of road, on section line, at T road north, in fence post; copper nail, painted "U. S. T. B. M. 711.6".....	711. 37
Ashville, 0.8 mile northeast of, at district No. 3 or Greenfield schoolhouse, at northeast corner of crossroads, in sleeper of culvert; copper nail, painted "U. S. T. B. M. 714.3".....	714. 08
Ashville, 0.5 mile east of, east side of road, at T road west to Ashville, near small graveyard, in telephone pole; copper nail, stamped "U. S. T. B. M. 710.6".....	710. 38
Ashville, 1 mile south of, west side of road, at T road east, in telephone guy pole; copper nail, painted "U. S. T. B. M. 710".....	709. 78
Ashville, 2 miles south of, 0.5 mile east of Rhoades, in root of elm tree at southeast corner of intersection; copper nail, stamped "U. S. T. B. M. 704".....	703. 85
Rhoades, 0.8 mile west of, northeast corner of intersection of Columbus and Circleville pikes, in corner wire fence post; copper nail, painted "U. S. T. B. M. 698.8".....	698. 64

Circleville, 4.5 miles north of, on Columbus pike at brick schoolhouse, northeast corner of crossroads, in telephone pole; copper nail, painted "U. S. T. B. M. 699.6".....	Feet. 699.39
Circleville, 4 miles north of, 60 feet south of viaduct over highway and street car line, about 500 feet north of elevator at siding, 12 feet west of center of track; iron post stamped "693 OHIO".....	693.040
Circleville northeast along highway to point 2.8 miles west of Amanda.	
Circleville, at northwest corner of main building of courthouse; iron post stamped "Prim. Trav. Sta. No. 4, OHIO 694".....	693.568
Circleville, southeast corner of Main and Mingo streets, on stone; chiseled square, painted "U. S. T. B. M. 690".....	690.37
Circleville, 1.3 miles northeast of, northeast corner of fair grounds, southwest corner of road east; chiseled square on rock, painted "U. S. T. B. M. 715".....	715.3
Circleville, 3 miles northeast of, on Lancaster pike, southeast corner of crossroads; iron post stamped "778 OHIO".....	777.534
Circleville, 3.9 miles northeast of, T road north to Mineral Springs, northeast corner of, on stone; chiseled square, painted "U. S. T. B. M. 865".....	865.06
Circleville, 4.4 miles northeast of, at west entrance to Infirmary, southeast corner, on cornerstone of culvert; chiseled square, painted "U. S. T. B. M. 891".....	890.64
Circleville, 4.7 miles northeast of, northeast corner of crossroads, in telephone pole; copper nail, painted "U. S. T. B. M. 931".....	930.99
Circleville, 5.3 miles northeast of, northeast angle of T road north, on concrete culvert; chiseled square, painted "U. S. T. B. M. 966".....	965.91
Circleville, 6.5 miles northeast of, on Lancaster pike, in southeast corner of crossroads on county line; iron post stamped "1055 OHIO".....	1,055.014
Circleville, 7.5 miles northeast of, southeast corner of T road south, in culvert; copper nail, painted "U. S. T. B. M. 1072.3".....	1,072.36
Circleville, 8.7 miles northeast of, southwest angle of crossroads, in telephone pole; copper nail, painted "U. S. T. B. M. 1023.4".....	1,023.41
Crossroads on Circleville and Lancaster pike on county line north along county line to Ashton and Royalton pike.	
Lancaster pike, 1.3 miles north of, northeast corner of T road north, on county line, in fence post; copper nail, painted "U. S. T. B. M. 1075.2".....	1,075.23
Lancaster pike, 2.2 miles north of, 150 feet north of T road east, south side of road; chiseled square on concrete culvert, painted "U. S. T. B. M. 1014".....	1,013.99
Lancaster pike, 3.2 miles north of, 1 mile east of Ringgold, in southeast corner of crossroads, intersection of county line and Ringgold pike; iron post stamped "948 OHIO".....	948.325
Ringgold pike, 1.4 miles north of, southeast angle at lane west, in telephone pole; copper nail, painted "U. S. T. B. M. 841.2".....	841.23
Walnut Township district No. 6 schoolhouse, at southwest corner of crossroads, in fence post at northeast corner of schoolhouse; copper nail, painted "U. S. T. B. M. 852".....	852.12
Royalton, 3.6 miles west of, at northeast corner of crossroads, southwest corner of yard of H. S. Kiger's house; iron post stamped "877 OHIO".....	876.782
Store 3.5 miles east of Ashville south to Circleville and Lancaster pike.	
Ashville, 3.5 miles east of, at Brinker's store, east side of road at T road west, in foundation of fence post; chiseled square and copper nail, painted "U. S. T. B. M. 732.9".....	732.66

Hedges Chapel, M. E. Church, in southwest corner of crossroads, 25 feet south of crossroads, west side of road, on concrete walk; chiseled square, painted "U. S. T. B. M. 734.1".....	Feet. 733. 89
Hedges Chapel, M. E. Church, 1 mile south of, at election house, northwest corner of crossroads; iron post stamped "763 OHIO".....	763. 219
Emanuel Evangelical Church and Dry Run schoolhouse, northeast corner of crossroads at, on stone; chiseled square, painted "U. S. T. B. M. 820.5".....	820. 22
Emanuel Evangelical Church and Dry Run schoolhouse, 1 mile south of, northeast corner of crossroads at southwest corner of George Heffner's house; iron post stamped "807 OHIO".....	807. 045
Grace Chapel, 3 miles east of, south side of road at intersection of Ringgold pike, in telephone pole; copper nail, painted "U. S. T. B. M. 781.6"....	781. 32
Lancaster pike, 1 mile north of, in northwest angle of T road west; chiseled square on stone, marked "777".....	776. 71
Circleville, 3 miles northeast of, in southeast corner of crossroads, on Lancaster pike; iron post stamped "778 OHIO".....	777. 534

Circleville northwest along highways to Spunkeytown Crossroads (portion of line).

Circleville, floor of bridge over Scioto River.....	672
Circleville, Scioto River, surface of water under bridge; June 14, 1911....	648
Circleville, 1 mile west of, 140 feet west of milepost 1, south side of road, on stone in retaining wall; chiseled square, painted "U. S. T. B. M. 660"....	659. 83
Circleville, 1.6 miles west of, at Spunkeytown Crossroads, 150 feet south of entrance to Thomas Brown's yard, at old tollgate; iron post stamped "Prim. Trav. Sta. No. 76, OHIO 665".....	665. 417

Point near Ashville to South Bloomfield (portion of line).

Ashville, 0.5 mile west of, southwest corner of T road south, in north side of telephone pole, on Bloomfield turnpike; copper nail.....	701. 27
South Bloomfield, 0.25 mile south of, on Bloomfield pike, west side of road, in telephone pole; copper nail, painted "U. S. 698".....	695. 62
South Bloomfield, in southeast corner of schoolhouse yard; iron post stamped "Prim. Trav. Sta. No. 2, 697 OHIO".....	694. 602

ERA QUADRANGLE.

Point 3.1 miles west of Circleville along highway to Westfall, thence west via Kinderhook to point 1 mile south of Woodlyn, thence north via Williamsport, Dawson, and Five Points to point 4 miles southeast of Mount Sterling.

Circleville, 3 miles west of, 180 feet northwest of gate to yard of George Weidinger's house, north side of road, in telephone pole; copper nail, painted "U. S. T. B. M. 674".....	673. 79
Circleville, 3.8 miles northwest of, on Darbyville pike, northeast corner of crossroads; iron post stamped "676 OHIO".....	675. 772
Circleville, about 3 miles west of, intersection of Washington pike, at northeast corner, in fence post; copper nail, painted "U. S. T. B. M. 694.1"....	694. 08
Circleville, about 3 miles west of, east side of road, at railroad crossing; top of south rail, marked "691".....	691. 06
Westfall, schoolhouse of district No. 3, in second step from ground, steps to yard, south side of road; copper nail, painted "U. S. T. B. M. 667.9"....	667. 82
Westfall, 0.3 mile south of schoolhouse, east side of road at road corners; iron post stamped "661 OHIO".....	660. 785
Westfall, 0.8 mile south of, northwest corner of T road west, in telephone pole; copper nail, painted "U. S. T. B. M. 688.5".....	688. 42

Westfall, 2.1 miles west of, 250 feet west of Frank Wallace's house, south side of road, in fence post; copper nail, stamped "723.9"	Feet. 723. 90
Westfall, 3 miles west of, at Ferguson's schoolhouse, in fence post on north side of road; copper nail, stamped "716.4"	716. 38
Kinderhook, 0.25 mile south of, 1,200 feet east of Mount Pleasant M. E. Church, in southeast corner of crossroads; iron post stamped "715 OHIO"	714. 504
Williamsport Station, 1 mile south of, on Woodlyn and Dawson pike, west side of road, at T road east; copper nail.....	755. 66
Williamsport, at station, 700 feet north of railroad crossing, in front of residence of M. Hunsicker, on stepping-stone; square cut	757. 95
Williamsport, on concrete step of Farmers Bank; square cut	769. 85
Williamsport, at northeast corner of crossroads and northwest corner of school yard; iron post stamped "771 OHIO"	771. 002
Williamsport, 1.2 miles north of, on Williamsport and Dawson pike, southeast corner of crossroads; square cut on stone, painted "780"	779. 83
Dawson, in southwest corner of Dawson pike and crossroad, 2 miles north of Williamsport; iron post stamped "Prim. Trav. Sta. No. 75, 781"	780. 687
Dawson, 1.3 miles north of, on Williamsport and Dawson pike, at T road west (private road), in telephone pole; copper nail.....	770. 07
Dawson, 1.8 miles north of, on Williamsport and Dawson pike, at T road east, southeast corner of, in top of fence post; copper nail.....	781. 21
Pherson's Corners, southeast corner of crossroads; iron post stamped "785 OHIO"	785. 258
Five Points, 1.5 miles east of, Five Points pike at northwest corner of T road north, in top of fence post; copper nail.....	806. 62
Five Points, in northwest corner of crossroads; iron post stamped "855 OHIO"	854. 852
Mount Sterling, 4 miles southeast of, on Mount Sterling pike, at southeast corner of crossroads; square cut on large stone, painted "881.6"	881. 62
Point 3.8 miles northwest of Circleville to point 1.2 miles northwest of Fox.	
Circleville, 3.8 miles northwest of, on Darbyville pike, in northwest corner of crossroads; iron post stamped "676 OHIO"	675. 772
Circleville, 4.8 miles northwest of, on Florence Chapel pike, west side of south abutment to covered bridge over Darby Creek, in top stone; chiseled square, painted "U. S. T. B. M. 683.97"	683. 93
Fox, southwest corner of porch to store, at northeast corner of crossroads; chiseled cross in stone, marked "717"	717. 51
Fox, 1.2 miles northwest of, 150 feet northwest of gate to yard of C. A. Grace, in telephone pole; copper nail, marked "707.8"	707. 73
Point near South Bloomfield west along highway to Robtown, thence south to point 1.2 miles northwest of Fox.	
South Bloomfield, 1 mile west of, on west end of bridge over Scioto River, on stone facing of flooring, south end; square cut	681. 64
South Bloomfield, 1.5 miles west of, on Bloomfield pike, in southwest corner of T road south; iron post stamped "705 OHIO"	702. 973
South Bloomfield, 2.25 miles west of, on Bloomfield pike, southwest corner of crossroads; square cut on large boulder, painted "738"	735. 62
Robtown, 0.8 mile east of, on Bloomfield pike, in telephone pole at southeast corner of crossroads; copper nail	774. 85
Robtown, southwest corner of crossroads; iron post stamped "790 OHIO"	787. 402
Robtown, 1.4 miles south of, northwest corner of crossroads; square cut on large stone.....	776. 62

Fox, 3 miles northwest of, on Chapel pike, northeast corner of T road north, in corner of fence post; copper nail.....	Fest. 734. 2
Fox, 2.25 miles northwest of, on Chapel pike, southeast corner of T road north, opposite Fairview farm; iron post stamped "727 OHIO".....	726. 788
Fox, 1.2 miles northwest of, 150 feet north of gate to yard of C. A. Croce, in telephone pole; copper nail.....	707. 73

Point 1 mile south of Woodlynn west to point near New Holland (portion of line),

New Holland, 7.7 miles southeast of, southeast corner of Clarksburg pike at crossroads; iron post stamped "781 OHIO".....	781. 265
New Holland, 6.8 miles east of, in front of Pleasant View farm, on north side of road; square cut on large stone.....	793. 36
New Holland, 5 miles southeast of, at northeast corner of crossroads, in base of corner of fence post; copper nail.....	816. 01
New Holland, 3.8 miles southeast of, southeast corner of crossroads, in front of schoolhouse; iron post stamped "832 OHIO".....	831. 986
New Holland, 3 miles southeast of, in root of large hickory tree in front of J. Porter farm; copper nail.....	841. 62
New Holland, 0.8 mile east of, on Circleville-Washington pike, in root of large oak tree on north side of road at T road southeast; screw and nut..	860. 21
New Holland, on foundation wall of town hall, 3 feet north of main entrance; aluminum tablet stamped "857".....	856. 760

Point 2.25 miles northeast of New Holland north to point near Mount Sterling (portion of line).

New Holland, 2.25 miles north and east of, in root of elm tree stump at T road west; screw and nut.....	863. 04
New Holland, 3 miles north and east of, northeast corner of Mouserpike and crossroad; iron post stamped "861 OHIO".....	861. 006
New Holland, 1.5 miles east by 2.5 miles north of, southwest corner of T road southwest, in root of large oak tree; steel screw and nut.....	852. 48
New Holland, 1.5 miles east by 4 miles north of, on angle made by road, in south side of telephone pole on north side of road; screw and nut.....	845. 46
New Holland, 1.5 miles east by 5 miles north of, southeast corner of crossroads, about 300 feet south of Deer Creek Valley Mill; iron post stamped "794 OHIO".....	793. 525
New Holland, 8 miles northeast of, 1.6 miles east of Deer Creek Valley Mill, on top of concrete culvert across road; square cut.....	805. 14
New Holland, 9 miles northeast of, in top of step of schoolhouse; square cut in stone.....	867. 63
Mount Sterling, 4 miles east by 1.5 miles south of, on west side of road, in front of residence of D. Beath; iron post stamped "875 OHIO".....	874. 539
Mount Sterling, 4 miles east of, on Mount Sterling pike, southeast corner of crossroads; square cut on large stone.....	881. 62
Mount Sterling, 3 miles east of, on Mount Sterling pike, at T road running north, in southwest corner; iron post stamped "892 OHIO".....	891. 802
Mount Sterling, 1.5 miles east of, on Mount Sterling pike, at T road east, on stone steps of brick schoolhouse; square cut.....	900. 16

Five Points via Darbyville to Robtown.

Five Points, 1 mile east of, on Darbyville pike, north side of road, 150 feet east of road bridge; copper nail.....	834. 88
Darbyville, 1.5 miles west of, on Darbyville pike, 2,000 feet east of farm of T. Carpenter, on northeast corner of east abutment of road bridge; square cut.....	801. 94

Darbyville, in southwest corner of T road south; iron post stamped "745 OHIO".....	Feet. 744. 552
Darbyville, 1.5 miles east of, on Bloomfield pike, southwest corner of T road south; copper nail in telephone pole.....	812. 29

Point 2 miles southeast of Derby to Darbyville (portion of line).

Derby, 2 miles southeast of, on London pike, at northwest corner of crossroads; square cut on large stone.....	886. 32
Derby, 3.5 miles southeast of, on London pike, at southwest corner of pike and T road west; iron post stamped "845 OHIO".....	844. 720
Derby, 4.5 miles southeast of, on London pike, southeast corner of T road east; square cut on stone culvert.....	824. 55
Darbyville, in southwest corner of T road south; iron post stamped "745 OHIO".....	744. 552

Point 3 miles south of Williamsport south to Clarksburg.

New Holland, 7.7 miles southeast of, corner of Clarksburg pike at crossroads; iron post stamped "781 OHIO".....	781. 265
Clarksburg, 3.5 miles north of, north side of drive leading to residence of T. W. Overly; in side of fence post, copper nail.....	774. 69
Clarksburg, 2.5 miles north of, southwest corner of road bridge marked with cross, 300 feet east of J. B. Hinton's house; top of iron rail set in ground.....	771. 15
Clarksburg, 1 mile north of, east side of road on farm of George Steinhauser, 75 feet south of gate leading to house, in root of large tree; copper nail..	768. 12
Clarksburg, in town hall yard, about 30 feet east of southwest corner of building; iron post stamped "Prim. Trav. Sta. No. 6, OHIO 771." (This is the post formerly situated in Corcoran property, as described on page 123, Bulletin 276.).....	771. 311

GREENFIELD QUADRANGLE.

Elevations along east border of quadrangle.

Austin, 4 miles north of, in northeast corner of Rowe school yard (district No. 10, Concord Township); iron post stamped "Prim. Trav. Sta. No. 63, 833".....	833. 684
Austin, 2.8 miles south of, northwest step of main entrance to Young schoolhouse (district No. 9, Concord Township); square cut.....	864. 86
Austin, 4 miles south of, at T road south, northwest corner of large stone over culvert; square cut.....	969. 96
Austin, 5 miles south of, southeast corner of intersection of pike and T road east, about 200 feet west of house of A. Harper; iron post stamped "1018 OHIO".....	1, 017. 699
Austin, 6.5 miles south of, southwest corner of intersection of pike and T road southwest; copper nail in south side of fence post.....	1, 020. 84
Harpor station, 2.5 miles north of, southwest corner of crossroads; copper nail in top of fence post.....	940. 70
Harper station, 1.5 miles east by 0.5 mile north of, northeast corner of abutment of iron bridge over Little Creek; square cut.....	861. 33
Harper station, 1.5 miles east of, southwest corner of pike and T road north at intersection; copper nail in top of fence post.....	959. 20
Harper station, 0.5 mile south of, northwest corner of T road north; square cut on large stone.....	962. 69
Harper station, 0.5 mile south of, southwest corner of T road south, opposite district No. 6 schoolhouse, Buckshin Township; iron post stamped "Prim. Trav. Sta. No. 68, 954".....	954. 472

Harper station, ¹ 0.8 mile west of, crossing of railroad and road; top of north rail.....	Feet. 931.06
Hyndon, 1 mile east of, on east abutment of railroad bridge over Buckshin Creek; square cut.....	911.77
Bainbridge, 2.5 miles north of, on stone in center of road in front of Tongs Hollow schoolhouse; square cut.....	730.66

ROXBELL QUADRANGLE.

Point near Clarksburg south along highway via Austin to point near Bainbridge, thence east via Newingsburg to point near Waller.²

Clarksburg, 1 mile southwest of, on southeast abutment of road bridge on Austin pike; square cut.....	777.92
Clarksburg, 2.2 miles southwest of, on northwest corner of large stone over road culvert, northwest corner of pike and crossroads; square cut.....	848.32
Asbury Church, northeast corner of churchyard; iron post stamped "870 OHIO".....	869.483
Asbury Church, 1 mile south of, northeast corner of road and driveway leading to house of Ben Ackley; copper nail in top of fence post.....	879.06
Austin, 4 miles north of, north side of road at T road south, on north wall of road culvert; square cut.....	829.85
Austin, 2.5 miles north of, north side of concrete platform in front of A. Rowe's barn, in board; copper nail.....	811.68
Austin, 1 mile northwest of, northwest corner at intersection of Washington and Dogtown pikes; copper nail in top of fence post.....	778.71
Austin, in northeast corner of intersection of Washington pike and T road south; iron post stamped "764 OHIO".....	764.416
Austin, 1 mile south of, northeast corner of stone abutment of bridge; square cut.....	774.57
Harper station, 1.5 miles east of, in northwest corner of T road southwest, 400 feet south of railroad; iron post stamped "860".....	859.734
Lattyville, 0.5 mile west of, on southwest corner of wing wall of concrete culvert; square cut.....	849.40
Lattyville, 0.5 mile west by 1 mile south of, in floor of small road bridge; copper nail.....	862.71
Lattyville, 0.5 mile west by 2.5 miles south of, east side of driveway leading to L. Steven's house, about 500 feet east of Beach Grove Church; copper nail in top of fence post.....	781.15
Lattyville, 1.5 miles west by 2.5 miles south of, in northwest corner of intersection of pike and T road south; iron post stamped "820 OHIO".....	820.114
Lattyville, 1.5 miles west by 3.5 miles south of, west side of road leading to O. A. Stort's house; copper nail in root of locust tree.....	995.73
Lattyville, 1.5 miles west by 4 miles south of, in root of small beech tree on Steiner Hill road; copper nail.....	1, 112.75
Lattyville, 1.5 miles west by 5.5 miles south of, 500 feet north of W. Ross's house; copper nail in apple tree.....	1, 219.91
Bourneville, 6.8 miles west of, south of pike and T road north; copper nail in top of fence post.....	868.89
Bourneville, 6 miles west of, southeast corner of intersection of pike and T road south; iron post stamped "767".....	767.401
Bainbridge, 5 miles north of, on Farrell Hill road, on large stone at extreme top of divide; square cut.....	1, 218.07

¹ Coast and Geodetic Survey bench mark near Harper station could not be found.

² A portion of this line received an excessive adjustment of 0.48 foot.

Bainbridge, 2.5 miles northeast of, north end of bridge over Paint Creek; square cut on stone.....	Feet. 713. 23
Bainbridge, 3.5 miles northeast of, at center of road crossing; cross cut on top of north rail	711. 05
Bourneville, 1.1 miles south of, in southeast corner of intersection of Cincinnati pike and T road east; iron post stamped "686"	686. 418
Bourneville, 1.1 miles south by 1 mile southeast of, northwest corner of crossroads; copper nail in side of telephone pole.....	691. 72
Bourneville, 1.1 miles south by 3 miles southeast of, southwest corner of T road south, about 100 feet south of Baum schoolhouse; copper nail in side of fence post.....	914. 33
Newingburg, 1.5 miles west of, northwest corner of T road west; copper nail in top of fence post.....	711. 76
Newingburg, about 200 feet west of old postoffice; iron post stamped "Prim. Trav. Sta. No. 72, 1135"	1, 135. 912
Chillicothe, 11.5 miles south of, southwest corner of crossroads, in root of tree; copper nail.....	1, 022. 15

Chillicothe north and west along highways to Clarksburg.

Chillicothe, 3 miles north of, in front of residence of B. Rathe; copper nail in stump of large elm tree.....	644. 57
Chillicothe, 4.5 miles north of, on northeast corner of stone step at entrance to Briggs schoolhouse (Union Township district No. 3); square cut.....	772. 73
Chillicothe, 5.5 miles north of, west side of pike; copper nail in root of large tree.....	894. 57
Chillicothe, 6.6 miles north of, 200 feet south of small store; copper nail in root of large walnut tree.....	942. 54
Chillicothe, 5 miles north of, northwest corner of intersection of pike and lane to infirmary; copper nail in root of large locust tree.....	691. 82
Chillicothe, 7 miles north of, in southwest corner of T road northeast and pike intersection; iron post stamped "752"	751. 935
Andersonville, 2 miles west of, northwest corner of crossroads (T road southeast); copper nail in root of large elm tree.....	712. 25
Chillicothe, 10 miles north of, northwest corner of T road west; copper nail in side of telephone pole.....	641. 989
Yellow Bud, 2.5 miles south of, in northwest corner of crossroads; iron post stamped "689 OHIO"	689. 156
Yellow Bud, 3 miles southwest of, northeast corner of crossroads; copper nail in top of fence post.....	680. 43
Clarksburg, 6.5 miles southeast of, northeast corner of T road north; copper nail, in side of fence post.....	710. 31
Clarksburg, 3.5 miles south by 1 mile east of, northeast corner of crossroads; copper nail in top of fence post.....	694. 34
Clarksburg, 3.5 miles south of, in southeast corner of crossroads; iron post stamped "740 OHIO"	739. 747
Clarksburg, 2 miles south of, southwest corner of intersection of pike and T road west; copper nail in side of telephone pole.....	730. 16
Clarksburg, 1 mile south of, at T road west; copper nail in side of large oak tree	741. 55

Point near Clarksburg south along highways to Roxabell, thence east along Baltimore & Ohio R. R. to slate mill, thence south to point near Bourneville, thence west and north along highway to Roxabell.

Frankfort, 6 miles north of, southwest corner of crossroads; square cut on large stone.....	799. 66
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Frankfort, 5 miles north of, southwest corner of intersection of pike and T road east; copper nail in root of elm tree.....	Feet. 784. 73
Frankfort, 4 miles north of, northwest corner of crossroads; iron post stamped "772 OHIO"	772. 363
Frankfort, 1.5 miles north of, in northwest corner of crossroads; copper nail in east side of telephone pole.....	745. 78
Frankfort, in northeast corner of school yard; iron post stamped "740 OHIO"	740. 234
Roxabell, in northeast corner of town hall yard; iron post stamped "752 OHIO 1911"	751. 555
Roxabell, crossing at station; top of south rail of main track.....	750. 88
Musselman, ¹ 0.25 mile west of, square cut on east abutment of bridge over Paint Creek.....	712. 04
Musselman, 1.25 miles east of, on west abutment of bridge over Paint Creek .	703. 14
Musselman, near, intersection of Cincinnati, Hamilton, & Dayton Ry. and Baltimore & Ohio Southwestern R. R.; top of north rail.....	707. 40
Anderson, 1.5 miles west of, in northwest corner of intersection of lane and pike, 150 feet north of Baltimore & Ohio Southwestern R. R.; iron post stamped "728"	727. 595
Anderson, 0.25 mile west of; on west abutment of overhead railroad bridge; square cut.....	696. 84
Slate Mills, 1.5 miles west of, in stringer over west abutment of small iron bridge over creek; copper nail.....	673. 86
Slate Mills, 0.5 mile west of, at crossroads; spike in side of railroad crossing sign.....	666. 47
Slate Mills, 0.8 mile east of, at intersection of T road west and pike; iron post stamped "674"	674. 276
Slate Mills, 0.8 mile west of, northwest corner of crossroads; top of lower hinge on gate.....	686. 62
Slate Mills, 1.8 miles west of, northeast corner of crossroads; copper nail....	700. 19
Ebush, square cut on concrete foundation of barn opposite general store of W. T. Miller.....	676. 86
Bourneville, 3.5 miles north of, in northeast corner of T road east; iron post stamped "702"	701. 476
Bourneville, 2.8 miles north of, at T road west; copper nail in root of elm tree.....	678. 20
Bourneville, 6 miles northwest of, at top of Broadbes Hill, southwest corner of intersection of road and drive; copper nail in root of maple tree.....	1, 064. 54
Slate Mills, 6 miles southwest of, southeast corner of T road south; copper nail in top of fence post.....	807. 90
Roxabell, 5 miles southeast of, in northeast corner of intersection of pike and T road south; iron post stamped "848"	847. 894
Roxabell, 3 miles south of, southeast corner of intersection of pike and T road north; copper nail in side of fence post.....	1, 140. 59
Roxabell, 1.5 miles south of, northeast corner of T road east; copper nail in side of telephone pole.....	782. 06
Point near Clarksburg south along highway to Anderson.	
Clarksburg, 5.5 miles south of, 75 feet west of pike at crossroads; copper nail in root of large oak tree.....	794. 89
Greenland, 2.5 miles northeast of, 0.5 mile north of Egypt Pike, west side of road; copper nail in stump of old tree.....	946. 90

¹ Coast and Geodetic Survey bench mark LVII could not be found.

Greenland, 2 miles east of, on stone step of Dry Run schoolhouse; square cut.....	Feet. 925. 10
Anderson, 6 miles north of, on stone at intersection of roads in front of S. Norris's farm; square cut.....	1, 009. 16
Anderson, 5 miles north of, at intersection of T road in front of J. S. Bundle's house; copper nail in stump of tree.....	949. 14
Anderson, 2 miles north by 2 miles west of, northwest corner of crossroads; iron post stamped "853".....	853. 318
Anderson, 2 miles north of, southwest corner of crossroads; copper nail in top of fence post.....	794. 11

Chillicothe to Huntington town hall.

Chillicothe, 3 miles southwest of, boundary of Scioto and Huntington townships; square cut on concrete township line post.....	655. 61
Chillicothe, 5 miles southwest of, at southeast corner of T road south; copper nail in side of telephone pole.....	650. 46
Chillicothe, 7 miles southwest of, northwest corner of crossroads; iron post stamped "648".....	647. 856
Chillicothe, 8.5 miles southwest of; copper nail in telephone pole.....	740. 46
Chillicothe, 10.5 miles southwest of, about 200 feet east of Huntington town hall, in northwest corner of crossroads; iron post stamped "888".....	887. 514

Point near Roxabell west to point near Lattyville.

Lattyville, on concrete wall in front of J. Given's general store; square cut.....	898. 71
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Point 2.8 miles north of Bourneville south to point 6 miles north of Bainbridge.

Bourneville, 1 mile north of, southeast corner of crossroads; copper nail in side of telephone pole.....	682. 58
Bourneville, on concrete culvert in front of post office; square cut.....	680. 52

Cardington, Fredericktown, Marion, Mount Gilead, Shauck, and Westerville quadrangles.**CRAWFORD, DELAWARE, KNOX, MARION, MORROW, AND RICHLAND COUNTIES.**

The elevations in the following list were determined by primary leveling and accord with Bulletins 411 and 476.

The leveling was done in 1911, in the Cardington, Marion, and Westerville quadrangles by Philip Flitman; in the Frederick quadrangle by E. C. Bibbee and C. W. Howell; in the Mount Gilead quadrangle by Flitman and C. E. Mills; and in Shauck quadrangle by Bibbee, Howell, Flitman, and F. Mabrey.

CARDINGTON QUADRANGLE.**Point 3 miles north of Penlan south and west along highways to Marengo.**

Penlan, 3.8 miles north of, at west end of T road; spike in telephone pole, marked "1178.3".....	Feet. 1, 176. 98
Penlan, 2.7 miles north of, at southeast corner of crossroads; iron post stamped "1217".....	1, 217. 099
Penlan, 1 mile north of, at southeast corner of crossroads; spike in fence post, marked "1192.5".....	1, 191. 19
Penlan, at northeast corner of crossroads; iron post stamped "1247".....	1, 246. 448

Penlan, 0.8 mile south of, at south end of T road; spike in telephone pole deadman, marked "1256.2".....	Fest. 1, 254. 79
Marengo, 3.25 miles east by 1.5 miles north of, at southeast corner of crossroads, spike in fence post, marked "1262.4".....	1, 260. 99
Marengo, 3.25 miles east by 0.8 mile north of, at southwest corner of crossroads; iron post stamped "1268 OHIO".....	1, 267. 442
Marengo, 2.5 miles east by 0.8 mile north of, at northeast corner of T road; spike in fence post, marked "1243.1".....	1, 241. 74
Marengo, 1.5 miles east by 0.8 mile north of, at northwest corner of crossroads; spike in telephone pole, marked "1172.5".....	1, 171. 09

Point 3 miles north of Fulton south along Toledo & Ohio Central Ry. to Peerless, thence south along highways to point 2 miles north of Condit.

Fulton, 3 miles north by 0.8 mile west of, at southwest corner of road crossing; spike in telephone pole, marked "1075.9".....	1, 074. 43
Fulton, 1.5 miles north by 0.8 mile west of, at southeast corner of road crossing; iron post stamped "1090 OHIO".....	1, 088. 457
Fulton, 1 mile north by 0.25 mile west of, at northwest corner of road crossing; spike in telephone pole, marked "1111.7".....	1, 110. 23
Fulton, at southeast corner of road crossing, 40 feet north of station; top of curbstone, marked "1113.0".....	1, 111. 53
Fulton, 1 mile south by 0.25 mile east of, at northeast corner of road crossing; iron post stamped "1103 OHIO".....	1, 102. 027
Marengo, 1.8 miles north by 0.25 mile west of, at northwest corner of road crossing; spike in telephone pole, marked "1141.4".....	1, 139. 99
Marengo, 1 mile northeast of, at railroad crossing, at southwest corner of; spike in post of cattle guard, marked "1139.9".....	1, 138. 52
Marengo, 100 feet south of station; iron post stamped "1125 OHIO".....	1, 123. 129
Marengo, 0.8 mile south by 0.8 mile east of, at southwest corner of road crossing; spike in cattle guard, marked "1150.6".....	1, 149. 15
Marengo, 1.5 miles south by 1.5 miles east of, at southeast corner of road crossing; iron post stamped "1173 OHIO".....	1, 171. 928
Peerless, 0.5 mile north by 0.5 mile west of, at southwest corner of road crossing; spike in telephone pole, marked "1177.0".....	1, 175. 57
Peerless, 0.5 mile south by 0.5 mile east of, at southwest corner of road crossing; iron post stamped "1195 OHIO".....	1, 193. 539
Peerless, 2 miles south by 0.5 mile east of, at southeast corner of crossroads; spike in telephone pole, marked "1166.7".....	1, 165. 18
Peerless, 2.8 miles south by 0.5 mile east of, at northeast corner of T road; spike in fence post, marked "1155.6".....	1, 154. 12
Peerless, 2.8 miles south of, at southwest corner of crossroads; spike in fence post, marked "1133.1".....	1, 131. 59
Condit, 2 miles north by 0.5 mile east of, at southwest corner of T road; iron post stamped "1124 OHIO".....	1, 122. 717
Condit, 2 miles north of, at southwest corner of crossroads; spike in fence post, marked "1090.6".....	1, 089. 07

Point near Sunbury north and east along highways to Peerless.

Sunbury, 2.5 miles north of, at west end of T road; iron post stamped "1027 OHIO".....	1, 025. 522
Sunbury, 3.5 miles north of, at northeast corner of T road; spike in fence post, marked "1022.8".....	1, 021. 30
Olive Green, 0.8 mile west by 0.8 mile south of, at northwest corner of crossroads; spike in fence post, marked "1032.2".....	1, 030. 68

Olive Green, 0.5 mile west of, at southwest corner of crossroads; spike in fence post, marked "1033.6".....	Feet. 1,037.13
Olive Green, at northwest corner of crossroads; iron post stamped "1110 OHIO".....	1,108.768
East Liberty, at northeast corner of crossroads; spike in fence post, marked "1096.3".....	1,094.83
East Liberty, 1 mile north by 1 mile east of, at northeast corner of crossroads; point on root of tree, marked "1141.4".....	1,139.91
East Liberty, 2 miles east by 2 miles north of, at southwest corner of T road; spike in root of maple tree, marked "1162.0".....	1,160.50

Point 4 miles west of Cardington south along highways to Leonardsburg.¹

Cardington, 4 miles west by 1 mile south of, at southwest corner of T road; iron post stamped "979 OHIO".....	978.669
Westfield, 3 miles north by 1 mile east of, at southwest corner of crossroads; spike in telephone pole, marked "974.520".....	974.11
Westfield, 3 miles north of, at northwest corner of culvert; top of stone abutment, marked "983.490".....	983.07
Westfield, 2.5 miles north by 0.5 mile west of, at northwest corner of culvert; top of stone abutment, marked "977.948".....	977.52
Westfield, 2 miles north by 0.5 mile west of, at northeast corner of crossroads; spike in telephone pole, marked "977.254".....	976.81
Westfield, 1 mile north by 0.5 mile west of, at southwest corner of culvert; top of stone abutment, marked "965.652".....	965.20
Westfield, 0.5 mile west of, at southwest corner of T road; spike in root of ash tree, marked "950.001".....	949.54
Westfield, opposite town hall; iron post stamped "962 OHIO".....	961.797
Westfield, 1 mile east by 0.25 mile south of, at southeast corner of T road; spike in telephone pole, marked "987.217".....	986.74
Ashley, 1 mile north by 0.5 mile east of, at northwest corner of railroad crossing; spike in telephone pole, marked "977.455".....	976.97
Ashley, 300 feet north of station, 5 feet west of track center; top of curb-stone, marked "987.032".....	986.53
Ashley, 1 mile south by 0.5 mile west of, at southwest corner of crossroads; iron post stamped "977 OHIO".....	976.575
Leonardsburg, 2.5 miles north by 1 mile east of, at southeast corner of road crossing; spike in telephone pole, marked "968.816".....	968.30
Leonardsburg, 1.5 miles north by 0.5 mile east of, at northeast corner of road crossing; spike in telephone pole, marked "967.690".....	967.18

Point 0.5 mile west of Olive Green west along highways to Leonardsburg.

Olive Green, 2 miles west of, at northwest corner of crossroads; spike in fence post, marked "998.004".....	996.52
Olive Green, 3 miles west of; iron post stamped "981 OHIO".....	979.034
Eden, 2 miles east of, at northwest corner of crossroads; top of flagstone at northwest corner of culvert, marked "973.908".....	972.46
Eden, 1.2 miles east of, at northwest corner of crossroads; spike in fence post marked "969.519".....	968.08
Eden, at southeast corner of crossroads; iron post stamped "918 OHIO".....	916.305
Eden, 1 mile north by 0.5 mile west of, at northwest corner of crossroads; spike in telephone pole, marked "964.047".....	962.64
Leonardsburg, 1 mile east of, at south end of T road; spike in telephone pole, marked "972.399".....	971.00

¹ Old value given in Bulletin 411 for Leonardsburg bench mark found to be 10 feet too low.

Marengo west along highways to Ashley.

Marengo, 1 mile west of, at southeast corner of bridge; top of west end of wing, marked "1088.705".....	Feet. 1, 088. 27
Marengo, 1.8 miles west of, at northwest corner of concrete culvert, marked "1061.206".....	1, 060. 77
Marengo, 2.5 miles west of, at west end of T road, north end of concrete culvert, marked "1049.624".....	1, 049. 19
South Woodbury, 1 mile south by 0.25 mile west of, at northeast corner of crossroads; iron post stamped "1019 OHIO".....	1, 018. 741
South Woodbury, 1 mile south by 1.8 miles west of, at north end of stone culvert, west end of top layer, marked "1002.706".....	1, 002. 27
Ashley, 2.5 miles east of, top of northeast stone pier of bridge over Brown Ditch, marked "984.423".....	983. 98
Ashley, 1.5 miles east of; iron post stamped "987 OHIO".....	986. 918
Ashley, top of west end of southeast wing of bridge over Williams Ditch, marked "965.060".....	964. 62

Point near Ashley north along highway and Cleveland, Cincinnati, Chicago & St. Louis Ry. to point 1 mile north of Cardington.

Ashley, 1.8 miles north by 0.8 mile east of, 10 feet west of track center; top of stone monument, marked "988.723".....	988. 25
Ashley, 2.8 miles north by 1 mile east of, 10 feet west of track center; top of stone monument, marked "987.237".....	986. 78
Cardington, 3.5 miles south by 1.5 miles west of, at northeast corner of road crossing; iron post stamped "991 OHIO".....	990. 412
Cardington, 2.25 miles south by 1 mile west of, at southeast corner of crossroads; spike in telephone pole, marked "996.554".....	996. 12
Cardington, 1.5 miles south by 0.5 mile west of, at southeast corner of road crossing; spike in telephone pole, marked "1000.697".....	1, 000. 28
Cardington, 0.8 mile south by 0.25 mile west of, at east end of masonry culvert 231; top of keystone, marked "1004.421".....	1, 004. 01
Cardington, 350 feet north of station; iron post stamped "1014 OHIO".....	1, 013. 462
Cardington, 1 mile north by 0.2 mile east of, 12 feet east of track center; top of concrete foundation of electric wire tower.....	1, 024. 88

Cardington northwest along highway 1.4 miles.

Cardington, 0.8 mile west of, at northeast corner of Y road; spike in telephone pole, marked "998.834".....	998. 45
Cardington, 1.25 miles west of, at southwest corner of masonry culvert, 3 feet from end; chiseled cross marked "982.525".....	982. 14

FREDERICKTOWN QUADRANGLE.**Point near Fredericktown south along Baltimore & Ohio R. R. to point near Mount Vernon.**

Fredericktown, 1.7 miles north of, 12 feet east of railroad, on west side of stone pier for overhead bridge 576; chiseled square.....	1, 112. 78
Fredericktown, 0.8 miles north of, on top of concrete bridge over Owl Creek, north end, east side; chiseled square.....	1, 088. 64
Fredericktown, in northwest corner of city fire building lot, 65 feet southwest of standpipe; iron post stamped "1033 OHIO".....	1, 032. 272
Fredericktown, 1 mile south of, at private crossing; spike in base of telephone pole.....	1, 062. 72

Fredericktown, 1.8 miles south of, 35 feet north of public road crossing, on east side of railroad; spike in base of telegraph pole.....	Feet. 1,052.89
Fredericktown, 3.2 miles south of, 3.6 miles north of Mount Vernon, at southwest corner of crossroads, 35 feet west of tracks; iron post stamped "1041 OHIO"	1,040.304
Mount Vernon, 2.4 miles north of, 17 feet west of railroad, in public road at crossing; spike in base of telephone pole.....	1,018.34

Fredericktown south and west along highways to Penlan.

Fredericktown, 1.9 miles west of, at northwest corner of crossroads; spike in base of telephone pole, painted "1071"	1,070.79
Fredericktown, 3.2 miles west of, at head of T road north; spike in base of telephone pole, painted "1086.5"	1,086.32
Fredericktown, 3.6 miles west of, at southeast corner of T road south; spike in base corner post, painted "T. B. M. 1080.365"	1,080.15
Fredericktown, 4 miles west by 0.5 mile south of, at northwest corner of T road; spike in base of telephone pole, painted "1089.6"	1,089.46
Lucernville, at head of T road south; iron post stamped "1088 OHIO"	1,087.967
Fredericktown, 6 miles west of, at southeast corner of T road south; spike in base of telephone pole, painted "1129.2"	1,129.12
Lucernville, 0.25 mile south by 2.3 miles west of, at southwest corner of T road; spike in base of post, marked "1104.1"	1,103.98
Lucernville, 0.25 mile south by 2.9 miles west of, at southwest corner of crossroads; iron post stamped "1136 OHIO"	1,136.082
Chesterville, 2 miles southwest of, at northeast corner of crossroads, near Chester Church; spike in base of telephone pole, painted "1191.5"	1,191.33
Chester schoolhouse, 0.25 mile west of, at southeast corner of crossroads; spike in base of post, painted "1221.5"	1,221.47

Mount Vernon west along old Delaware road to point 3.5 miles north of Marengo.

Mount Vernon, 1 mile west of, iron bridge over Owl Creek, on southwest wing of west abutment of bridge; chiseled circle, painted "997.4"	997.15
Mount Vernon, 2.3 miles west of, at northwest corner of T road north; spike in base of telephone pole, painted "T. B. M. 1054.3"	1,054.05
Mount Vernon, 3.5 miles west of, at southwest corner of lane south; iron post stamped "1087 OHIO"	1,087.151
Mount Vernon, 4.2 miles west of, at northeast corner of crossroads; spike in base of telephone pole, painted "1126.6"	1,126.40
Mount Vernon, 4.6 miles west of, at head of T road south; copper nail in root of maple tree, painted "1188.0"	1,187.78
Mount Vernon, 5.3 miles west of, at head of T road north; spike in base of telephone pole brace, painted "1250.9"	1,250.74
Mount Vernon, 6.8 miles west of, at northeast corner of crossroads; iron post stamped "1280 OHIO"	1,279.938
Mount Vernon, 7.9 miles west of, at southwest corner of crossroads, 0.5 mile east of Morrow-Knox County line; iron post stamped "Prim. Trav. Sta. No. 71, 1910, 1224"	1,223.382
Mount Vernon, 8.9 miles west of, at northeast corner of crossroads, 200 feet southeast of Hedding M. E. Church; spike in base of telephone pole, painted "1288.5"	1,288.37
Mount Vernon, 10.5 miles west of, 1.2 miles northeast of Sparta, at northwest corner of crossroads; iron post stamped "1303 OHIO"	1,302.708
Mount Vernon, 11.6 miles west of, 1 mile northwest of Sparta, at northeast corner of crossroads; spike in base of telephone pole, painted "1303.0" ..	1,302.90

Mount Vernon, 12.6 miles west of, 1.7 miles northwest of Sparta, at northwest corner of T road north; spike in base of fence post, painted "1299.7"..... 1, 299. 69

Mount Vernon southwest along Cleveland, Akron & Cincinnati Ry. to Condit.

Mount Vernon, 1 mile south of, at northwest corner of road crossing; spike in base of telephone pole, painted "1006.9"..... 1, 006. 63
 Mount Vernon, 2.0 miles south of, 50 feet north of road crossing, east side of railroad; spike in base of telegraph pole, painted "1035.2"..... 1, 034. 94
 Mount Vernon, 3.1 miles south of, south abutment on west side of railroad bridge 89; chiseled square, painted "1062.4"..... 1, 062. 22
 Bangs, 100 feet north of station, on railroad right of way; iron post stamped "1101 OHIO"..... 1, 100. 695
 Bangs, 1 mile south of, 3.1 miles north of Mount Liberty, 30 feet southeast of road crossing; spike in base of telephone pole, painted "1124.5"..... 1, 124. 30
 Mount Liberty, 120 feet northeast of station, on railroad right of way; iron post stamped "1210"..... 1, 209. 325
 Mount Liberty, 1 mile south of, 30 feet southeast of railroad crossing; spike in base of telephone pole, painted "1246.7"..... 1, 246. 54
 Mount Liberty, 2.3 miles south of, 140 feet southeast of railroad crossing; spike in telephone pole, painted "1278.1"..... 1, 277. 88
 Centerburg, at center of station lot 30; iron post stamped "1209"..... 1, 208. 926
 Centerburg, 0.5 mile south of, 30 feet southeast of crossing; spike in base of telegraph pole, painted "1196.2"..... 1, 196. 01
 Centerburg, 1 mile south of, 40 feet southeast of road crossing; spike in base of telegraph pole 98-C; painted "1180.9"..... 1, 180. 70
 Centerburg, 2.2 miles south of, 30 feet east of road crossing, east side of railroad; spike in base of telegraph pole, painted "1167.5"..... 1, 167. 33
 Condit, 1.2 miles north of, chiseled square on north abutment of stone culvert 100 on west side of railroad; painted "1112.8"..... 1, 112. 59
 Condit, 0.6 mile north of, 40 feet southeast of road crossing; spike in base of telegraph pole, painted "1102.5"..... 1, 102. 33

Hunt station south and west along highways to Centerburg.

Hunt, 0.9 mile west of station, at T road south; chiseled square on doorstep of Lafayette schoolhouse; painted "1041.2"..... 1, 040. 93
 Hunt, 1.4 miles west of station, at head of T road north; spike in base of telephone pole, painted "1039.8"..... 1, 039. 57
 Brandon, at southwest corner of crossroads, 6 feet east of northeast corner stone; chiseled square on concrete walk, painted "1075.8"..... 1, 075. 52
 Brandon, 0.6 mile south of, at head of lane west; spike in base of telephone pole, painted "1112.24"..... 1, 111. 97
 Brandon, 1.5 miles south of, at head of T road west; spike in base of telephone pole, painted "1065.0"..... 1, 064. 70
 Brandon, 2.1 miles south of, at head of T road west; iron post stamped "1042 OHIO"..... 1, 041. 800
 Brandon, 2.1 miles south by 1.6 miles west of, at northeast corner of T road east; spike in base of fence post, painted "1070.6"..... 1, 070. 31
 Brandon, 1.5 miles south by 1.6 miles west of, at southeast corner of crossroads; spike in base of corner fence post, painted "1093.A"..... 1, 093. 09
 Brandon, 1.5 miles south by 3.2 miles west of, at southeast corner of crossroads; at Mink Street schoolhouse; iron post stamped "1128"..... 1, 127. 840
 Brandon, 1.5 miles south by 4 miles west of, at southeast corner of T road east; spike in base of corner fence post, painted "1147.7"..... 1, 147. 38

Lock, 1.5 miles east by 1.2 miles north of, at southwest corner of T road west; spike in base of telephone pole, painted "1140.0"	Feet. 1, 139. 71
Lock, 1 mile north by 0.8 mile east of, at head of T road east, at Beach Knob schoolhouse; spike in base of telephone pole, painted "1168.5"...	1, 168. 25
Lock, 0.8 mile west by 0.8 mile north of, at iron bridge; chiseled square on northwest corner of bridge abutment, painted "1157.7"	1, 157. 45
Centerburg, 4 miles east of, 300 feet south of Myers schoolhouse, at southeast corner of crossroads; iron post stamped "1190"	1, 190. 047
Centerburg, 3 miles east of, at northeast corner of T road north; spike in base of telephone pole, painted "1206.1"	1, 205. 82
Centerburg, 1.9 miles east of, at northwest corner of crossroads; spike in base of telephone pole, painted "1214.4"	1, 214. 12
Centerburg, 0.6 mile south of, at center of T road east, at cemetery; spike in base of telephone pole, painted "1197.03"	1, 196. 72

MARION QUADRANGLE.

Point 3.5 miles southwest of Claridon to point 5 miles southeast of Marion.

Claridon, 2 miles west by 2.5 miles south of; spike in telephone pole, marked "973.132"	972. 66
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MOUNT GILEAD QUADRANGLE.

Kirkpatrick southeast along highway to Caledonia, thence east along Cleveland, Cincinnati, Chicago & St. Louis Ry. to Gallon.

Kirkpatrick, at southeast corner of crossroads; spike in fence post, marked "1008.2"	1, 008. 24
Kirkpatrick, 2 miles east of, at southeast corner of T road; spike in fence post, marked "1006.5"	1, 006. 46
Kirkpatrick, 2 miles east by 1 mile south of, at southeast corner of crossroad; spike in fence post, marked "1002.0"	1, 001. 97
Kirkpatrick, 2 miles east by 2 miles south of, at southeast corner of T road; spike in fence post, marked "995.7"	995. 67
Kirkpatrick, 2 miles east by 2.5 miles south of, at south end of T road; spike in telephone pole, marked "996.7"	996. 72
Caledonia, 60 feet east of station, between Cleveland, Cincinnati, Chicago & St. Louis Ry. and Erie R. R. tracks; iron post stamped "999"	998. 851
Caledonia, 1.5 miles east by 1 mile north of, at southwest corner of crossroads; spike in telephone pole, marked "1006.637"	1, 006. 58
Martel, 0.8 mile south by 0.5 mile west of, at road crossing; spike in post of cattle guard, marked "1033.6"	1, 033. 50
Martel, 100 feet south of station; iron post stamped "1038"	1, 037. 859
Martel, 1.8 miles east by 1.25 miles north of, at southwest corner of road crossing; spike in telephone pole, marked "1060.9"	1, 059. 82
Martel, 2 miles north by 2.5 miles east of, north of railroad, at road crossing; iron post stamped "1079"	1, 078. 578
Gallon, 1 mile south by 2.5 miles west of, at southeast corner of road crossing; spike in post of cattle guard, marked "1127.9"	1, 126. 61
Gallon, 0.8 mile south by 1 mile west of, south of tracks, between crossroads; spike in telephone pole, marked "1145.4"	1, 144. 17
Gallon, at crossing of Cleveland, Cincinnati, Chicago & St. Louis Ry. and Erie R. R., 100 feet northeast of crossing plant "Burt"; iron post stamped "1171"	1, 169. 344

Point 3 miles northwest of Gallon southeast along highway to Gallon.

Gallon, 3 miles northwest of, at stop No. 162 on Southwestern Electric R. R., southeast corner of T road south; iron post stamped "1064".....	Feet. 1, 064. 021
Gallon, 2.5 miles northwest of, at Beck Station on Southwestern Electric R. R., northwest corner of crossroads; spike in base of trolley pole, marked "1084.5".....	1, 084. 41
Gallon, 1.5 miles northwest of, northeast corner of crossroads, at school-house; spike in base of trolley pole, marked "1121.2".....	1, 121. 08
Gallon, west end of town; on West Main Street, northwest corner of crossroads, on stone curbing 3 inches west of iron catch basin; chiseled square marked "1131.547".....	1, 131. 42
Gallon, northeast corner of Main and Washington streets, 20 feet west of railroad at station, on concrete walk; chiseled square marked "1169.030".....	1, 168. 89

Gallon south along Cleveland, Cincinnati, Chicago & St. Louis Ry. to Cardington.

Gallon, 0.5 mile south of, on top of milepost "Cle. 81"; spike marked "1172.7".....	1, 171. 50
Gallon, 1 mile south by 0.25 mile west of, 200 feet south of road crossing, 12 feet west of track center; top of stone monument, marked "1163.2".....	1, 161. 96
Gallon, 2 miles south by 0.5 mile west of, at southeast corner of road crossing; iron post stamped "1168".....	1, 166. 782
Gallon, 3 miles south by 1 mile west of, at northeast corner of road crossing; spike in telephone pole, marked "1159.2".....	1, 157. 89
St. James, 1 mile east by 0.5 mile north of, 10 feet west of track center; top of stone monument, marked "1165.8".....	1, 164. 46
St. James, 0.3 mile north by 0.3 mile east of, 20 feet west of track center; top of northeast corner of concrete foundation of semaphore, marked "1165.8".....	1, 164. 46
St. James, 10 feet west of track center, north of station; iron post stamped "1160".....	1, 158. 719
St. James, 1 mile south of, 10 feet west of track center; top of stone monument, marked "1145.6".....	1, 144. 27
St. James, 1.5 miles south by 0.25 mile west of, at southeast corner of crossing; spike in post of cattle guard, marked "1137.5".....	1, 136. 09
Climax, 2.8 miles east of, at southeast corner of road crossing; spike in telephone pole, marked "1128.3".....	1, 126. 91
Edison, 3.5 miles north by 1 mile east of, at southeast corner of road crossing; iron post stamped "1110".....	1, 108. 920
Edison, 3 miles north by 0.8 mile east of, spike on top of milepost "Cle. 90," marked "1098.1".....	1, 096. 66
Edison, 2 miles north by 0.5 mile east of, at southeast corner of road crossing; spike in telephone pole, marked "1088.0".....	1, 086. 60
Edison, 1 mile north by 0.3 mile east of, 10 feet west of track center; top of stone monument, marked "1076.6".....	1, 075. 11
Edison, 1.5 miles south by 0.5 mile west of, 12 feet west of center of track; top of stone monument, marked "1038.392".....	1, 038. 05
Cardington, 2 miles north by 0.5 mile east of, 12 feet west of track center; stone monument, marked "1038.144".....	1, 037. 81

Point 1.4 miles south of Mount Gilead north along Toledo & Ohio Central Ry. to point 4.8 miles south of Bucyrus.

Mount Gilead, 1.4 miles south of, at northwest corner of road crossing; spike in telephone pole, marked "1084.5".....	1, 083. 06
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Mount Gilead, 1 mile south of, west of center of railroad bridge at overhead road crossing; top of bolt at west rail, marked "1077.9"	Feet. 1, 076. 44
Mount Gilead, 50 feet south of station; top of curbstone, marked "1096.3" ..	1, 094. 87
Edison, at northwest corner of crossing of Cleveland, Cincinnati, Chicago & St. Louis Ry. and Toledo & Ohio Central Ry.; iron post stamped "1064 OHIO"	1, 062. 430
Edison, 1 mile north by 0.5 mile west of, at southwest corner of crossing; spike in telephone pole, marked "1045.0"	1, 043. 57
Climax, 2 miles south by 0.5 mile east of, at northwest corner of road crossing; spike in telephone pole, marked "1034.3"	1, 032. 88
Climax, 1 mile south by 0.25 mile east of, at northwest corner of road crossing; spike in telephone pole, marked "1041.6"	1, 040. 22
Climax, at southwest corner of road crossing; iron post stamped "1035" ..	1, 033. 305
Climax, 1 mile north by 0.25 mile west of, at northwest corner of crossroads; spike in telephone pole, marked "1039.7"	1, 038. 38
Martel, 1 mile south by 0.25 mile east of, center beam of railroad bridge across Flat Run; top of bolt, marked "1021.5"	1, 020. 22
New Winchester, 2.1 miles south of, southwest corner of road crossing, in base of north post of cattle guard; spike, marked "1040.5"	1, 040. 38
New Winchester, 1 mile south of, on south side of road at T road north, 30 feet east of railroad; spike in base of telephone pole, marked "1029.276" ..	1, 029. 17
New Winchester, 25 feet east of railroad, south side of road at road crossing at station; iron post stamped "1025"	1, 025. 239
New Winchester, 1 mile north of, northwest corner of road crossing, in top of north post of cattle guard; spike, marked "1024.7"	1, 024. 63
Bucyrus, 4.8 miles south of, northwest corner of private road crossing, in base of telephone pole 73-20; spike, marked "1025.377"	1, 025. 28

Caledonia south along highways to point 2 miles southeast of Claridon.

Caledonia, 1 mile south of, at southeast corner of T road; spike in telephone pole, marked "991.7"	991. 62
Caledonia, 2.5 miles south by 0.5 mile west of, at northwest corner of crossroads; iron post stamped "993"	993. 297
Claridon, at north corner of Y road; spike in fence post, marked "991.6" ..	991. 40
Claridon, 0.8 mile south of, at southwest corner of T road; spike in fence post, marked "978.8"	978. 60
Claridon, 1 mile south of; spike in telephone pole, marked "988.1"	987. 82
Claridon, 1.8 miles south of, at northwest wing of Olentangy River bridge; top of pier, marked "972.7"	972. 44
Claridon, 1.8 miles south by 1 mile east of, at northeast corner of crossroads; top of southwest corner of stone step of Salem Church, marked "983.2" ..	982. 86

Edison west along Cleveland, Cincinnati, Chicago & St. Louis Ry. to point 2 miles southeast of Claridon.

Edison, 0.3 mile south of, at northwest corner of road crossing; spike in telephone pole, marked "1050.6"	1, 050. 19
Edison, 1 mile west by 0.3 mile south of; top of west end of lowest concrete step of J. M. Farley's house, marked "1034.8"	1, 034. 40
Edison, 2 miles west by 0.3 mile south of, at southwest corner of crossroads; spike in fence post, marked "1020.1"	1, 019. 68
Edison, 2.8 miles west by 0.3 mile south of; top of northwest pier of bridge over Shaw Creek, marked "1000.838"	1, 000. 43
Marits, 2 miles south by 0.8 mile west of, at southeast corner of T road; iron post stamped "1009 OHIO"	1, 008. 613

Claridon, 2.25 miles east by 1.8 miles south of, at south end of T road; spike in fence post, marked "997.399"	Feet. 997. 01
Point 2 miles southeast of Claridon south along highways to point 3 miles southwest of Claridon.	
Claridon, 1.8 miles south by 1 mile east of, at northeast corner of crossroads; top of southwest corner of stone step at Salem Church, marked "983.196"	982. 86
Claridon, 2.25 miles south by 1 mile east of; top of northeast pier of bridge, marked "980.683"	980. 31
Claridon, 2.8 miles south by 1 mile east of; top of west end of north beam of bridge, marked "983.186"	982. 82
Claridon, 3.8 miles south by 1 mile east of, at southeast corner of crossroads; iron post stamped "991 OHIO"	990. 748
Claridon, 3 miles south of; top of northeast pier of bridge over McKibbin Ditch, marked "973.607"	973. 21
Claridon, 2.8 miles south by 1 mile west of, at southwest corner of crossroads; spike in telephone pole, marked "977.590"	977. 15
Point 4 miles southeast of Claridon south along highway to point 4 miles west of Cardington.	
Cardington, 5 miles west by 1 mile north of, at northeast corner of T road; spike in telephone pole, marked "994.680"	994. 31
Cardington, 4 miles west by 1 mile north of, at southwest corner of crossroads; top of masonry at west end of stone culvert, marked "992.767" ..	992. 39
Cardington, 4 miles west of, at northwest corner of crossroads, at northwest corner of culvert, marked "987.445"	987. 05
Point 2 miles northwest of Cardington northwest along highways to point 4 miles southeast of Claridon.	
Cardington, 1.5 miles west by 1 mile north of, at southeast corner of crossroads; spike in root of elm tree, marked "1004.636"	1, 004. 26
Cardington, 2 miles west by 1.25 miles north of; top of masonry at east end of northwest wing of bridge over Shaw Creek, marked "983.772"	983. 40
Cardington, 2.5 miles west by 1.5 miles north of; top of masonry 3 feet from end of northwest corner of culvert, marked "987.830"	987. 47
Cardington, 3 miles west by 1.5 miles north of; top of masonry 3 feet from northeast corner of culvert, marked "992.931"	992. 58
Mount Gilead northeast along public road to point 2.5 miles northwest of Williamsport.	
Mount Gilead, in front of city hall; iron post stamped "1148 OHIO"	1, 147. 375
Mount Gilead, 0.5 mile east by 0.5 mile north of; top of masonry at east end of northwest wing of Olentangy River bridge, marked "1099.379" ..	1, 098. 93
Mount Gilead, 1.25 miles north by 1.25 miles east of, at northeast corner of Y road; spike in telephone pole, marked "1182.424"	1, 181. 97
Mount Gilead, 1.8 miles north by 1.8 miles east of, at southeast corner of T road; iron post stamped "1219"	1, 218. 499
Williamsport, 3 miles west of; top of masonry at west end of northeast wing of small bridge, marked "1212.027"	1, 211. 56
Williamsport, 2.5 miles west by 1.5 miles north of, at south end of T road; spike in telephone pole, marked "1260.203"	1, 259. 72
Williamsport, 2 miles west by 1.5 miles north of; top of northwest wing of bridge, marked "1249.847"	1, 249. 35

Point 4.5 miles east by 1 mile south of Mount Gilead southwest to point 3 miles north of Penlan.

Mount Gilead, 4.5 miles east by 1 mile south of, at southwest corner of crossroads; spike in telephone pole, marked "1278.6".....	Feet. 1, 277. 28
Mount Gilead, 4 miles east by 2 miles south of, at northwest corner of crossroads; iron post stamped "1211".....	1, 211. 130
Mount Gilead, 4 miles east by 3 miles south of, at northwest corner of crossroads; spike in fence post, marked "1168.4".....	1, 167. 10

SHAUCK QUADRANGLE.

Point 2 miles east of Gallion south along public road to point 3 miles southwest of Williamsport.

Gallion, 2 miles east by 0.5 mile south of, at southwest corner of T road; iron post stamped "1181".....	1, 181. 021
Gallion, 2 miles east by 1.5 miles south of, at northeast corner of crossroads; spike in telephone pole, marked "1196.1".....	1, 194. 90
Gallion, 2 miles east by 3 miles south of, at northeast corner of crossroads; iron post stamped "1255".....	1, 254. 915
Gallion, 2 miles east by 4 miles south of, at southwest corner of T road; spike in telephone pole, marked "1280.8".....	1, 279. 59
St. James, 4.5 miles east by 0.5 mile south of, at northwest corner of crossroads; iron post stamped "1323".....	1, 322. 785
Whetstone, 2 miles east of, at center of crossroads; point on boulder, marked "1349.6".....	1, 348. 36
Whetstone, 2 miles east by 1 mile south of, at northwest corner of crossroads; iron post stamped "1379 Prim. Trav. Sta. No. 54, 1910 OHIO".....	1, 378. 417
Williamsport, 2 miles north by 1 mile west of, at northwest corner of crossroads; iron post stamped "1352".....	1, 351. 261
Williamsport, 1.5 miles north by 1 mile west of, at south end of T road; spike in fence post, marked "1315.9".....	1, 314. 67
Williamsport, at northwest corner of crossroads; iron post stamped "1374".....	1, 372. 930
Williamsport, 1.5 miles south by 0.25 mile west of, at northeast corner of crossroads; spike in telephone pole, marked "1348.5".....	1, 347. 21
Williamsport, 2.5 miles south by 0.5 mile west of, at northeast corner of crossroads; spike in telephone pole, marked "1314.8".....	1, 313. 49

Mansfield southwest along highways to point 4 miles southeast of Gallion.

Mansfield, 1 mile west of, 300 feet east of church, southwest corner of crossroads; spike in base of telephone pole, painted "1283.4".....	1, 283. 31
Mansfield, 1.7 miles west of, southeast corner of crossroads; spike in base of post, painted "1361.0".....	1, 360. 96
Mansfield, 2.2 miles west of, northwest corner of crossroads; spike in base of telephone pole, painted "1399.7".....	1, 399. 69
Mansfield, 3 miles southwest of, southeast corner of crossroads; spike in base of fence post, painted "1412.1".....	1, 412. 10
Alta Station, 4.1 miles southwest of Mansfield, 300 feet east of crossroads, 50 feet east of Baltimore & Ohio R. R.; iron post stamped "1287".....	1, 286. 667
Mansfield, 4.3 miles southwest of, south side of road at fork of road; spike in base of telegraph pole, painted "1377.0".....	1, 376. 99
Mansfield, 5.1 miles southwest of, southeast corner of crossroads; spike in base of telephone pole, painted "1478.8".....	1, 478. 78
Mansfield, 5.8 miles southwest of, on stone in middle of road south at crossroads; chiseled square marked "1477.9".....	1, 477. 90

Mansfield, 6.7 miles southwest of, northwest corner of crossroads; spike in base of telephone pole, marked "1417.8".....	1, 417. 84
Mansfield, 7.2 miles southwest of, northeast corner of T road north, 120 feet east of road north; chiseled square on north side of bridge, marked "1302.8".....	1, 302. 84
Mansfield, 7.8 miles southwest of, northwest corner of crossroads; iron post stamped "1229".....	1, 229. 188
Mansfield, 9.1 miles southwest of, west side of T road, chiseled square on west wing on west side of abutment of bridge, painted "1201.6".....	1, 201. 58
Mansfield, 9.4 miles southwest of, northwest corner of T road north; spike in base of telephone pole, marked "1216.0".....	1, 215. 98
Mansfield, 9.8 miles southwest of, northwest corner of crossroads; spike in base of telephone pole, marked "1226.0".....	1, 226. 04
Mansfield, 11 miles southwest of, southwest of crossroads; iron post stamped "1250".....	1, 250. 075
Mansfield, 11.4 miles southwest of, southwest corner of T road south; spike in base of telephone pole, painted "1247.2".....	1, 247. 25
Mansfield, 12.6 miles southwest of, southeast corner of crossroads; spike in base of telephone pole, marked "1303.4".....	1, 303. 47

Bellville north along Baltimore & Ohio R. R. to Alta.

Bellville, 1.6 miles northwest of, southeast corner of railroad crossing; spike in base of telephone pole.....	1, 151. 26
Bellville, 1.8 miles northwest of, northeast corner of railroad crossing; spike in telephone pole, marked "1146.5".....	1, 146. 23
Bellville, 2.25 miles northwest of, southeast corner of railroad crossing; spike in base of telephone pole, painted "1149.2".....	1, 148. 99
Bellville, 3.7 miles northwest of, southeast corner of railroad crossing; iron post stamped "1154".....	1, 153. 724
Lexington, northwest corner of railroad crossing, opposite corner from station; iron post stamped "1180".....	1, 179. 914
Lexington, 1.2 miles northwest of, northeast corner of railroad crossing; spike in base of telephone pole, painted "1197.5".....	1, 197. 24
Lexington, 1.9 miles northwest of, southeast corner of railroad crossing; spike in base of telephone pole, marked "1236.2".....	1, 235. 97
Lexington, 1.4 miles northwest of, southeast corner of railroad crossing; spike in base of telephone pole, painted "1208.9".....	1, 208. 60
Lexington, 2.1 miles northwest of, at northeast corner of railroad crossing; spike in base of fence post, painted "1240.8".....	1, 240. 60
Lexington, 2.6 miles northwest of, west side of road, east side of railroad; spike in base of telephone pole, marked "1280.3".....	1, 280. 03

Point near Ankenytown to point near Fredericktown.

Ankenytown, 1.2 miles south of, at first railroad crossing, on west side of track, 25 feet south of center of public road; iron post stamped "1157 OHIO".....	1, 156. 450
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Bellville west along highways to point 2 miles southeast of Whetstone.

Bellville, 25 feet northwest of north end of station platform, on east abutment on south side of bridge over Clear Fork; chiseled square, marked "1126.3".....	1, 126. 12
Bellville, 0.8 mile west of, at Y road; spike in base of sign post, painted "T. B. M. 1129.07".....	1, 128. 82

Bellville, 1.25 miles west of, at northwest corner of crossroads; spike in base of telephone pole painted "T. B. M. 1133.57".....	Feet. 1, 133. 33
Bellville, 2.3 miles west of, on southeast corner of east abutment of bridge over Clear Fork; chiseled square, painted "T. B. M. 1140.7".....	1, 140. 50
Bellville, 3.7 miles west of, at southwest corner of T road south; spike in base of telephone pole, painted "T. B. M. 1174.07".....	1, 173. 85
Bellville, 4.5 miles west of, at northwest corner of crossroads; iron post stamped "1177 OHIO".....	1, 176. 687
Bellville, 5.9 miles west of, at southeast corner of crossroads; spike in base of elm tree, painted "T. B. M. 1202.6".....	1, 202. 40
Bellville, 6.6 miles west of, at crossroads, on northwest corner of north abutment of bridge over Clear Fork; chiseled square, painted "T. B. M. 1209.16".....	1, 208. 96
Johnsville, 1.1 miles east of, at northeast corner of crossroads, near entrance to cemetery, 200 feet east of church; iron post stamped "Prim. Trav. Sta. No. 65, 1910, 1256".....	1, 255. 904
Johnsville, at northeast corner of square; iron post stamped "1354 OHIO".....	1, 353. 716
Johnsville, 1.1 miles west of, at southwest corner of T road south; spike in base of telephone pole, painted "T. B. M. 1367.7".....	1, 367. 54
Johnsville, 1.5 miles west of, at southwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1395.9".....	1, 395. 77
Johnsville, 2.4 miles west of, at southwest corner of crossroads; spike in base of corner post, painted "T. B. M. 1405.2".....	1, 404. 99
Johnsville, 3.4 miles west of, at southeast corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1382.9".....	1, 382. 72

Johnsville south along highway to Miller schoolhouse, thence east along highway to point 1.7 miles north of Ankenytown.

Johnsville, 1.1 miles south of, northwest corner of west abutment of bridge over branch of Clear Fork; chiseled square, painted "T. B. M. 1313.0".....	1, 312. 91
Johnsville, 1.4 miles south of, at southwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1341.84".....	1, 341. 67
North Woodbury, at head of T road west; spike in base of telephone pole, painted "T. B. M. 1375.9".....	1, 375. 75
North Woodbury, 0.6 mile south of, at head of T road west; spike in base of telephone pole, painted "T. B. M. 1413.2".....	1, 413. 08
North Woodbury, 1.5 miles south of, at southeast corner of crossroads, 150 feet west of Miller schoolhouse; iron post stamped "1342 OHIO".....	1, 341. 443
North Woodbury, 1.5 miles south by 1 mile east of, at northeast corner of crossroads; spike in base of fence post, painted "T. B. M. 1354.2".....	1, 354. 04
North Woodbury, 1.5 miles south by 1.8 miles east of, at northeast corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1305.4".....	1, 305. 25
Darlington, 1.8 miles south of, at northwest corner of T road west; spike in base of telephone pole, painted "1234.0".....	1, 233. 89
Darlington, 2 miles south of, 2 miles west by 0.5 mile south of Bangorville, in Richland County, Perry Township, at southeast corner of cross roads; iron post stamped "1214 OHIO".....	1, 213. 728
Bangorville, 1 mile west by 0.5 mile south of, at northwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1304.6".....	1, 304. 49
Bangorville, 0.5 mile south of, at northwest corner of T road west, in end of culvert, copper nail painted "T. B. M. 1295.3".....	1, 295. 21
Bangorville, at northeast corner of T road east; spike in base of telephone pole, painted "T. B. M. 1372.12".....	1, 372. 01

Bangorville, 1 mile east of, at southeast corner of crossroads; spike in base of fence post, painted "T. B. M. 1307.4".....	Feet. 1, 307. 25
Bangorville, 1.7 miles east of, 1.5 miles north of Palmyra, at southeast corner of crossroads; iron post stamped "1239 OHIO".....	1, 238. 891
Ankenytown, 1.8 miles north of, at southwest corner of T road west; spike in base of telephone pole, painted "T. B. M. 1217.07".....	1, 216. 98
Ankenytown, 1.2 miles north of, at Richland-Knox County line road, at southwest corner of crossroads; spike in base of telephone pole, painted "1187.5".....	1, 187. 36

Point 1.5 miles south of North Woodbury south to point 3.9 miles west of Bateman-town.

North Woodbury, 3 miles south of, at bridge over Owl Creek, on southeast corner of south abutment of bridge; chiseled square, painted "T. B. M. 1215.9".....	1, 215. 84
North Woodbury, 4 miles south of, at northwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1382.8".....	1, 382. 74

Ankenytown west along highways to point 8 miles west of Bateman town.

Ankenytown, 1.1 miles west of, at southwest corner of crossroads; spike in base of corner post, painted "1165.9".....	1, 165. 64
Ankenytown, 2.2 miles west of, at southeast corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1187.5".....	1, 187. 29
Ankenytown, 2.8 miles west of, at northwest corner of crossroads; iron post stamped "1217 OHIO".....	1, 216. 573
Bateman town, at southeast corner of crossroads; spike in base of telephone pole, painted "1153.8".....	1, 153. 65
Bateman town, 1 mile west of, at northeast corner of T road north; iron post stamped "1189 OHIO".....	1, 189. 097
Bateman town, 1.7 miles west of, at southwest corner of T road south; spike in base of telephone pole, painted "1247.2".....	1, 247. 00
Bateman town, 2.1 miles west of, 100 feet east of T road south; spike in base of telephone pole, painted "1272.6".....	1, 272. 42
Bateman town, 3.9 miles west of, at northwest corner of crossroads; iron post stamped "1250".....	1, 250. 177
Bateman town, 4.9 miles west of, at southwest corner of crossroads; spike in base of telephone pole, painted "1273.8".....	1, 273. 67
Bateman town, 6.2 miles west of, 2 miles south of Pulaskiville, at northwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 1299.6".....	1, 299. 54

WESTERVILLE QUADRANGLE.

Condit southwest along Cleveland, Akron & Cincinnati Ry. to Sunbury.

Condit, at southeast corner of road crossing; iron post stamped "1087 OHIO".....	1, 085. 460
Condit, 1 mile west of, 300 feet west of milepost C-24, at northeast corner of concrete culvert; top of parapet, marked "1071.2".....	1, 069. 64
Condit, 2 miles west of, 100 feet east of milepost C-23; spike in fence post, marked "1060.3".....	1, 058. 72
Sunbury, 1 mile east of, 12 feet west of milepost C-22; top of concrete rail post, marked "1032.8".....	1, 030. 95
Sunbury, northeast corner of city hall, in foundation; aluminum tablet stamped "970".....	970. 757

Sunbury north 1.5 miles along public road.

Sunbury, 1.5 miles north of, at southeast corner of T road; spike in fence post, marked "982.2"	Feet. 980.56
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Brinkhaven, Gambier, Loudonville, Perrysville, and Newark quadrangles.**ASHLAND, COSHOCTON, HOLMES, KNOX, AND RICHLAND COUNTIES.**

The elevations in the following list were determined by primary leveling and accord with Bulletins 411 and 476.

The leveling was done in 1911, in the Loudonville quadrangle by Philip Flitman; in the Brinkhaven, Gambier, and Perrysville quadrangles by E. C. Bibbee and Flitman; and in the Newark quadrangle by Bibbee.

BRINKHAVEN QUADRANGLE.**Point near Bladensburg east along highway via New Guilford to Tunnelhill.**

Bladensburg, 2.3 miles east of, 170 feet west of Front Royal schoolhouse, on granite rock at south side of road under fence; chiseled square.....	Feet. 1,029.88
Bladensburg, 3 miles northeast of, on south retaining wall at east end; chiseled square.....	980.03
Bladensburg, 4.6 miles east of, on retaining wall of small iron bridge at east end and south side; chiseled square.....	1,041.91
Bladensburg, 5.2 miles east of, 3 miles west of New Guilford, near center of crossroads; iron post stamped "1043".....	1,043.272
New Guilford, 1.9 miles west of, at northeast corner of T road north, near line between Knox and Coshocton counties, on sandstone rock; chiseled square.....	1,117.30
New Guilford, 1.2 miles west of, southeast corner of crossroads; chiseled square on sandstone ledge	1,155.93
New Guilford, northwest corner of town hall yard; iron post stamped "1050 OHIO".....	1,050.344
New Guilford, 0.5 mile north of, at T road north, on east abutment, north side of stone arch bridge; chiseled square.....	984.52
New Guilford, 1.4 miles east of, 100 feet west of large barn, on east abutment on north side of small bridge; chiseled square	931.70
New Guilford, 2.7 miles west of, 45 feet southwest of old blacksmith shop, 60 feet west of T road north, 450 feet east of Neldon schoolhouse, on sandstone rock at south side of road; chiseled square.....	884.39
West Bedford, 2.1 miles north of, 2.5 miles south of Mohawk, 200 feet south of cider press; iron post stamped "842 OHIO".....	842.222
West Bedford, 0.9 mile north of, on west end of stone culvert at Y road; chiseled square.....	876.57
West Bedford, 90 feet north of Walker's store, on granite curb rock at southeast corner of crossroads; chiseled square.....	1,076.78
Tunnelhill, 0.5 mile north of, 45 feet east of crossing, southeast corner of road forks, in corner of fence line and east line of railroad right of way; iron post.....	859.572

New Guilford north along highway to New Castle.

New Guilford, 0.5 mile north of, at T road north, on east abutment, north side of stone arch bridge; chiseled square.....	984.52
New Guilford, 1.4 miles north of, opposite center of T road east; chiseled square on limestone ledge	1,201.45

New Guilford, 2.2 miles north of, southeast corner of T road east; highest point on south end of cast-iron drain pipe.....	Feet. 1, 197. 58
New Castle, 330 feet west of Soldier's monument, on north side of road; nail in top of telephone pole sawed off level with ground.....	1, 209. 52
New Castle, 0.8 mile north of, north end of stone culvert; chiseled square on large sandstone rock.....	926. 88
Walhonding, about 1 mile west of, on south abutment of east side of iron bridge over Walhonding River; chiseled square.....	837. 49
Walhonding, 1.1 mile north of, on northeast corner of T road north, on old towpath of canal, 1,000 feet southeast of bridge 17 over Walhonding River; iron post.....	842. 646

GAMBIER QUADRANGLE.

Point near Mount Vernon south along Baltimore & Ohio R. R. to point near Utica.

Mount Vernon, 1.8 miles north of, 60 feet west of public road, on south abutment east side of bridge 573; chiseled square.....	1, 010. 64
Mount Vernon, at northwest corner of courthouse; iron post stamped "1053 OHIO"	1, 052. 789
Mount Vernon, 0.4 mile south of station, 630 feet north of railroad crossing, on south retaining wall on east side of bridge 570; chiseled square.....	984. 56
Mount Vernon, 1.6 miles south of, on west side of railroad at crossing; spike in base of telephone pole.....	1, 013. 99
Mount Vernon, 3 miles south of, 1,190 feet south of milepost marked "N 22 S 94"; spike in base of telegraph pole.....	1, 019. 28
Mount Vernon, 4.1 miles south of, 0.7 mile north of Hunt, on east retaining wall on south side of stone-arch bridge 567; chiseled square	1, 021. 67
Hunt, 25 feet west by 30 feet north of public road crossing, on railroad right of way; iron post stamped "1042 OHIO".....	1, 041. 533
Hunt, 0.9 mile south of, on concrete culvert under railroad, on east side of tracks at telegraph pole 18/15; chiseled square	1, 035. 25
Hunt, 1.6 miles south of, 40 feet north of public road at crossing, on east side of railroad; spike in base of telegraph pole.....	1, 018. 38
Hunt, 2.3 miles south of, 3.9 miles north of Utica, 100 feet west of railroad, at southeast corner of T road east; iron post stamped "996 OHIO"	995. 834

Point near Utica east along highways via Martinsburg to point near Bladensburg.

Utica, 3.1 miles east of, 3.4 miles west of Martinsburg, at northeast corner of crossroads; iron post stamped "1039 OHIO".....	1, 039. 344
Martinsburg, 2.2 miles southwest of, 80 feet west of public road, on north side of lane to residence of C. Clutter; spike in top of 42-inch white-oak stump.....	1, 064. 20
Martinsburg, 1.4 miles west of, on large rock on north end of small stone bridge; chiseled square.....	1, 053. 32
Martinsburg, northeast corner of city building lot; iron post stamped "1167 OHIO".....	1, 167. 104
Martinsburg, 1 mile east of, at T road north, on south property line; nail in root of white-oak tree 24 inches in diameter.....	1, 176. 11
Martinsburg, 2.1 miles east of, southwest corner of T road south; chiseled square on granite rock.....	1, 136. 27
Bladensburg, 1.1 miles west of, north side of small Pratt-truss bridge; chiseled square on east abutment.....	1, 018. 32
Bladensburg, 0.3 mile west of, on north end of small rock culvert at water trough and T road north; chiseled square.....	997. 97

Bladensburg, in southeast corner of schoolhouse yard; iron post stamped "977 OHIO".....	Feet. 977. 446
Bladensburg, 1 mile north of, at T road east, on section corner stone in center of public road; chiseled square.....	998. 43
Danville west along Cleveland, Akron & Cincinnati Ry. to Mount Vernon.¹	
Danville, 1 mile southwest of, northwest corner of north bridge seat of girder bridge 72; top surface.....	948. 42
Danville, 1.8 miles southwest of, at southwest corner of road crossing; iron post stamped "939 OHIO".....	938. 600
Danville, 2.5 miles southwest of, at northwest corner of southwest end of concrete culvert; top of masonry.....	922. 85
Howard, 100 feet in front of station; iron post stamped "892 OHIO".....	891. 807
Howard, 1 mile southwest of, at northwest corner of bridge 81; top of bolt in north end of wooden guard rail.....	907.
Howard, 2 miles southwest of, at northwest corner of road crossing; iron post stamped "934 OHIO".....	933. 239
Gambier, 1.5 miles east of, near road crossing; top of northwest corner of south abutment of small girder bridge.....	925. 54
Gambier, 100 feet west of station; iron post stamped "967 OHIO".....	966. 321
Mount Vernon, 2 miles south by 1 mile east of, at end of southeast wing of girder bridge 85; top of top step.....	975. 53
Mount Vernon, switch yard, at northeast pillar of coal chute; top of stone foundation at northeast corner.....	984. 72
Mount Vernon, 200 feet north of station, on Main Street, over center arch of east edge of stone bridge over Kokooshing River.....	989. 04
Mount Vernon, 2 miles south by 2 miles east of, 0.5 mile west of railroad bridge 84, on north side of road; iron post stamped "OHIO 976" (set on a single unchecked spur line).....	975. 989

Point near Amity south along highway via Amity to Martinsburg.

Amity, 1.7 miles north of, at north end of stone bridge; top of parapet.....	1, 163. 06
Amity, 1 mile north of; top of south end of southwest wing of small bridge..	1, 143. 66
Amity, in front of Baptist Church; iron post stamped "1159 OHIO".....	1, 158. 165
Amity, 1 mile south of, at northwest corner of stone culvert; top of parapet.	1, 057. 52
Amity, 2 miles south of; top of northeast corner of northeast wing of truss bridge.....	1, 019. 80
Amity, 2.7 miles south of, at northwest corner of stone bridge; top of parapet.....	997. 81
Amity, 3.5 miles south of, at west end of stone culvert; top of parapet.....	1, 011. 76
Amity, 4.5 miles south of, at northwest corner of T road; iron post stamped "997 OHIO".....	996. 082
Howard, 3 miles west of, at southwest corner of T road; top of southwest corner of southwest wing of small bridge.....	950. 74
Howard, 2.5 miles west by 1 mile south of, at south end of stone culvert; top of southwest end of parapet.....	944. 38
Gambier, 2.5 miles east of, at jog road, at pump in school yard; top of southeast corner of concrete foundation.....	1, 009. 86
Gambier, 2.5 miles east by 1 mile south of; top of upper end of cast-iron pipe culvert 12 inches in diameter.....	1, 097. 87
Pipesville, 2.5 miles west of, at northwest corner of small iron bridge; top of angle-bar floor beam.....	1, 015. 30

¹ An adjustment of 0.3 foot was made in part of this line.

Pipesville, 2.5 miles west by 1 mile south of; top of northwest corner of concrete watering trough.....	Feet. 1,067.19
Martinsburg, 4 miles north of; spike in telephone pole.....	1,113.97
Gambier, 2.5 miles east of, at jog road, in school yard; iron post stamped "Prim. Trav. Sta. No. 69, 1910, OHIO 1014" (set on unchecked spur line).....	1,013.447
Martinsburg, 3 miles north of, at south end of T road; iron post stamped "1045 OHIO".....	1,044.095
Martinsburg, 2.5 miles north of, at northeast corner of small iron bridge; top of bolt in floor.....	1,000.76
Martinsburg, 1.8 miles north of, at northeast corner of small iron bridge; top of angle-bar beam at north end of banister.....	1,015.28
Martinsburg, 1 mile north of, at southwest corner of concrete bridge; top of parapet.....	1,073.45
Martinsburg, at northeast corner of city hall property; iron post stamped "1167 OHIO".....	1,167.104

Danville via Millwood to Bladensburg.¹

Danville, at county bridge, west of station; top of northwest corner of southwest wing.....	965.471
Danville, 0.8 mile south of, on Martinsburg road, at northeast corner of stone culvert; top of parapet.....	983.36
Millwood, 1.5 miles north of, at northeast corner of crossroads; spike in root of maple tree.....	1,021.44
Millwood, in front of church; iron post stamped "941".....	941.108
Millwood, 1.5 miles south of, on Martinsburg road, at southeast corner of T road; spike in root of blazed oak tree.....	1,101.98
Millwood, 2 miles south by 1 mile west of; spike in root of 24-inch elm tree....	1,157.98
Millwood, 3 miles south by 1 mile west of, at southwest corner of E. G. Smith's house; top of concrete step.....	1,148.85
Millwood, 4 miles south by 1 mile west of, on east-west road, 4.3 miles north of Bladensburg; spike in root of 9-inch blazed elm tree.....	1,104.10
Bladensburg, 4 miles north of, at northeast corner of crossroads; iron post stamped "1151 OHIO".....	1,150.582
Bladensburg, 3.25 miles north of, in front of John Nether's house; top of stone step.....	1,115.82
Bladensburg, 2.5 miles north of, in front of T. S. Parker's house; top of lowest stone step.....	1,130.6
Bladensburg, 2 miles north of, at west end of T road; spike in root of oak tree.....	1,113.18
Bladensburg, 1 mile north of; chiseled square on section corner stone, marked "998.1".....	998.43

LOUDONVILLE QUADRANGLE.

Plimpton along highway to Nashville.

Lakeville, east abutment of bridge 129; top of northwest corner of second step below track, marked with chisel "B. M.".....	938.330
Lakeville, 0.5 mile south by 0.5 mile east of, on Lakeville road; top of 1-ton boulder, marked "989.402".....	989.40
Lakeville, 1.25 miles south by 0.5 mile east of, 250 feet north of crossroads; top of southeast corner of northwest wing of concrete bridge, marked "987.523".....	987.53

¹ An adjustment of 0.784 foot has been distributed in this line.

Lakeville, 2 miles south of, at northwest corner of crossroads; iron post stamped "1043 OHIO".....	Feet. 1, 042. 617
Nashville, 1.5 miles north by 0.5 mile west of; top of southwest corner of north abutment of small bridge, marked "1025.599".....	1, 025. 61
Nashville, 0.5 mile west by 1 mile north of; top of southwest corner of north abutment of small bridge, marked "1065.974".....	1, 065. 98
Nashville, 0.5 mile north by 0.5 mile west of; top of southwest corner of north abutment of small bridge, marked "1114.615".....	1, 114. 63
Nashville, in schoolhouse yard; iron post stamped "1214 OHIO".....	1, 214. 327

Glenmont via public road to Nashville.

Glenmont, at station; iron post stamped "868 OHIO".....	868. 268
Glenmont, top of northwest corner of stone culvert at south end of Nashville road, marked "880.948".....	880. 95
Glenmont, 1 mile north by 0.5 mile west of; top of masonry at northwest corner of northwest wing of small bridge, marked "904.168".....	904. 16
Nashville, 3 miles south of, at northeast corner of crossroads; iron post stamped "998 OHIO".....	998. 292
Nashville, 1.25 miles south of; top of masonry at southwest corner of north abutment of small bridge.....	1, 207. 41
Nashville, 0.8 mile south of; top of northwest corner of southwest wing of small bridge.....	1, 127. 99

Brinkhaven to Loudonville.¹

Brinkhaven, northwest corner of schoolhouse yard; iron post stamped "896 OHIO".....	896. 313
Brinkhaven, 1 mile north of, on south pillar of east row at water tank; southeast corner of lower base of stone foundation.....	891. 64
Brinkhaven, 1.9 miles north of, under west rail of Mohican River bridge 23; top of south end of iron girder.....	880. 94
Greer (Edlam), 1.5 miles south by 0.5 mile east of, at southeast corner of road crossing; iron post stamped "899 OHIO".....	899. 17
Greer, 0.8 mile south of, at south end of west guard rail (wooden) of trestle bridge; top of bolt.....	906. 36
Greer, at station, southeast corner of concrete foundation of semaphore....	920. 80
Greer, 1 mile north of, under west rail of Mohican River bridge 25; top of south end of iron girder.....	896. 07
Greer, 1.5 miles north of, at southeast corner of road crossing; iron post stamped "907 OHIO".....	907. 108
Greer, 2.5 miles north of, at southwest corner of support of semaphore; top of bolt.....	901. 20
Greer, 3 miles north of, at south end of west guard rail (wooden) of Mohican River bridge 28; top of bolt.....	907. 34
Greer, 4 miles north of; top of upper end of cast-iron pipe culvert 3 feet in diameter.....	909. 21
Greer, 5.5 miles north of, at south end of east guard rail (wood) of Mohican River bridge 29; top of bolt.....	919. 06
Spellacy, 40 feet east of track; iron post stamped "918 OHIO".....	918. 177
Spellacy, 1 mile north of; top of lower end of vitrified pipe culvert 9 inches in diameter.....	923. 63
Spellacy, 2 miles north of, on culvert 30, near road crossing, top of masonry at east end of south abutment, marked "B. M." with chisel.....	930. 52

¹ An adjustment of 0.4 foot has been made in this line.

Loudonville, 1.7 miles south of, at road crossing, southeast end of stone culvert; top of parapet.....	Feet. 932.89
Loudonville, 0.9 mile south of; top of upper end of vitrified pipe culvert 9 inches in diameter.....	945.11
Loudonville, southwest corner of semaphore support 0.5 mile north of station; top of bolt.....	952.05
Loudonville, at stone bridge 139; northwest corner of first step below parapet of east abutment.....	956.78
Loudonville, 125 feet southeast of intersection of Market and Main streets, in city park; iron post stamped "Prim. Trav. Sta. OHIO 1907 978".....	977.121
Loudonville, 0.5 mile east of, top of northwest corner of stone box culvert; chiseled square.....	972.02

PERRYSVILLE QUADRANGLE.

Mansfield via public road and Lucas to Bellevue, thence to Butler, thence southwest along Baltimore & Ohio E. R. to point near Ankenytown.

Miffin, 4.2 miles west of, 3.5 miles east of Mansfield, at T road south, in bridge seat on west abutment of small wooden bridge; aluminum tablet stamped "1222".....	1,222.603
Mansfield, 2.2 miles east of, on south side of road; chiseled square on large stone.....	1,316.14
Mansfield, 1.3 miles east of, 1 foot from southwest corner of bridge, 100 feet east of intersection of Wooster and Lucas roads; bolt head.....	1,169.54
Mansfield, 0.6 mile east of, north side of wooden bridge; chiseled square on coping stone of east abutment.....	1,147.55
Mansfield, 100 feet north of crossing, at bridge 153; chiseled square on retaining wall.....	1,151.15
Mansfield, 0.8 mile south of, at bridge 153; chiseled square on northeast corner of east abutment.....	1,139.80
Mansfield, 2.5 miles southeast of, east side of railroad at crossing; spike in base of telephone pole.....	1,138.94
Lucas, 2.3 miles west of, in top of concrete pier 35 feet west of signal tower 1706; top of iron rod 1 inch in diameter.....	1,159.08
Lucas, 1.3 miles west of, 100 feet west of crossing, 250 feet south of signal tower 1696; chiseled square on granite rock at T road south.....	1,136.82
Lucas, at southeast corner of station yard, near railroad right of way; iron post stamped "1104 OHIO".....	1,104.016
Lucas, 0.5 mile west of, on corner of north coping stone of small culvert; chiseled square.....	1,106.8
Lucas, 1.5 miles southwest of, on top of hill on east side of public road; chiseled square on sandstone rock.....	1,221.36
Washington, 1 mile east of, northwest corner of crossroads; bolt head in west end of culvert.....	1,337.81
Washington, southwest corner of crossroads, west end of stone culvert; chiseled square on large stone.....	1,373.25
Washington, 1 mile south of, center of crossroads; highest point on section corner stone.....	1,373.79
Washington, 2.2 miles south of, 25 feet north of lane east, on east side of road; highest point on sandstone rock.....	1,424.99
Washington, 2.5 miles south of, south end of culvert under wagon road at T road east; chiseled square on granite rock.....	1,302.78
Washington, 3.2 miles south of, 3.5 miles north of Bellville, at northeast corner of Ebenezer Church, near crossroads; iron post stamped "1203 OHIO".....	1,202.662

Bellville, 2.5 miles north of, on north side of road at T road north; nail in root of sugar-maple tree 3 feet in diameter.....	Feet. 1, 453. 90
Bellville, 1.5 miles north of, on north end of small stone bridge under wagon road; chiseled square.....	1, 284. 27
Bellville, on east abutment south side of bridge over Clear Fork River, 25 feet northwest of north end of Baltimore & Ohio R. R. station platform; chiseled square.....	1, 126. 12
Bellville, 100 feet west of front entrance to public school building; iron post stamped "1144 OHIO".....	1, 144. 493
Bellville, 2 miles west of, 25 feet west of second railroad crossing south of Bellville, on south abutment of small concrete culvert under railroad; chiseled square.....	1, 111. 35
Bellville, 3 miles south of, 260 feet west of railroad crossing, at southeast corner of T road east, 2.8 miles north of Butler; iron post stamped "1102 OHIO".....	1, 101. 559
Gatton's Rock, 60 feet south of station, on east side of railroad; spike in base of telegraph pole.....	1, 097. 94
Butler, 1.4 miles north of, 20 feet south of public road at crossing, on east side of track; spike in base of telegraph pole.....	1, 082. 11
Butler, 0.4 mile north of station, 60 feet north of crossing, on concrete signal tower on west side of track; chiseled square.....	1, 069. 79
Butler, 520 feet north of station, 20 feet east of track, 20 feet north of public road, on railroad right of way; iron post stamped "1070 OHIO".....	1, 069. 933
Butler, 2.1 miles south of, 25 feet south of railroad at crossing, on coping stone of north abutment east side of small bridge; chiseled square.....	1, 128. 87
Butler, 3.4 miles south of, 25 feet east of railroad at crossing, on railroad right of way; nail in top of corner post.....	1, 137. 72
Butler, 4.2 miles south of, 1.7 miles north of Ankenytown, on east side of road, 25 feet south of crossing, near county line between Richland and Knox counties; iron post stamped "1126 OHIO".....	1, 125. 682
Ankenytown, 0.6 mile north of, 30 feet south of crossing, on east end of concrete culvert under railroad; chiseled square.....	1, 118. 88
Ankenytown, at west end of station platform, on concrete retaining curb wall; chiseled square.....	1, 127. 25

Butler south along highways to point near Amity.

Butler, 2 miles south of; north end of concrete step of Henry Brokaw's house.....	1, 315. 69
Butler, 3 miles south of; top of boulder at upper end of wooden box culvert.....	1, 329. 60
North Liberty, 0.5 mile north of, at southwest corner of T lane; spike in telephone pole.....	1, 295. 42
North Liberty, 50 feet south of M. E. Church; iron post stamped "1305 OHIO".....	1, 305. 071
North Liberty, 0.5 mile south by 0.5 mile east of, on northwest corner of east abutment of small bridge; top of masonry.....	1, 210. 78
North Liberty, 1.25 miles south by 1 mile east of; top of lower end of cast-iron pipe culvert 18 inches in diameter.....	1, 262. 77
Amity, 2.8 miles north of; top of lower end of cast-iron pipe culvert 12 inches in diameter.....	1, 244. 94

NEWARK QUADRANGLE.

Point near Utica south along highways to Utica, thence east along highways 2.5 miles.

Utica, 1.9 miles north of, on east side of railroad, 25 feet north of private crossing, 150 feet south of milepost "N 13 S 101"; spike in base of telegraph pole.....	974. 359
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Utica, 1.1 miles north of, 25 feet south of railroad crossing on east side of railroad; spike in base of telegraph pole.....	Feet. 980. 13
Utica, in front sandstone doorstep of city building; aluminum tablet.....	965. 800
Utica, 1.2 miles east of, 40 feet east of T road north, 25 feet south of small gas-test house; highest point on 4-inch gas pipe.....	1, 046. 62
Utica, 2.5 miles east of, at concrete bridge 100 feet south of T road west; chiseled square on top of west abutment.....	1, 055. 75

Bellevue, Bucyrus, Norwalk, Sandusky, Shiloh, and Siam quadrangles.

CRAWFORD, HURON, RICHLAND, AND SENECA COUNTIES.

The elevations in the following list were determined by primary leveling and accord with Bulletins 411 and 476.

The leveling was done in 1911, in the Bellevue and Sandusky quadrangles by Philip Flitman; in the Siam quadrangle by Flitman and C. E. Mills; in the Norwalk quadrangle by Flitman, C. W. Howell, and J. J. McNulta; and in the Bucyrus and Shiloh quadrangles by Mills and McNulta.

BELLEVUE QUADRANGLE.

Bellevue south 1.5 miles.

Bellevue, at south corner of Burdette Hotel, in wall; aluminum tablet stamped "751 TOLEDO" ¹	Feet. 751. 036
Bellevue, at southwest corner of crossing of Lake Shore & Michigan Southern Ry. and Pennsylvania R. R.; northeast corner of concrete foundation of semaphore, marked "754.104".....	754. 23

BUCYRUS QUADRANGLE.

Bucyrus south along Toledo & Ohio Central Ry. about 4 miles.

Bucyrus, 1.5 miles west of, 0.2 mile west of center of sec. 3, T. 3 S., R. 16 E., south end of stone culvert bridge 28, at southwest corner of coping; bronze tablet stamped "991".....	991. 508
Bucyrus, in northeast corner of doorsill of men's waiting room at station; chiseled square.....	1, 000. 44
Bucyrus, on west side of courthouse lawn, about 150 feet north of Mansfield Street; iron post stamped "996".....	996. 370
Bucyrus, southwest corner of railroad crossing; top of rail, marked "1005.18".....	1, 005. 18
Bucyrus, crossing of Middletown Street and Toledo & Ohio Central Ry., southwest corner of crossing; chiseled square on stone curbing, marked "1005.7".....	1, 005. 66
Bucyrus, crossing of Toledo & Ohio Central Ry. and Southwestern Ry. (electric); top of rail, marked "1009.6".....	1, 009. 50
Bucyrus, 3.9 miles south of, southeast corner of road crossing; iron post stamped "1028".....	1, 028. 368

Point 2.4 miles south of Bucyrus southeast along Bucyrus-Galion pike to point about 3 miles northwest of Gallion.

Bucyrus, 2.5 miles southeast of, on Galion pike, southwest corner of T road west; spike in base of fence post, marked "1041.9".....	1, 041. 84
Bucyrus, 3 miles southeast of, at Kelly station, southeast corner of road forks; spike in base of post, marked "1037.6".....	1, 037. 50

¹ Correction to value given in Bulletin 411.

Bucyrus, 4.5 miles southeast of, southeast corner of crossroads, at Whetstone township hall; iron post stamped "1051"	Feet. 1, 050.870
Bucyrus, 5.4 miles southeast of, 325 feet north of entrance to Olentangy ball park, south abutment, on top of north end of west wing wall of small bridge over creek; chiseled square, marked "1042.7"	1, 042.55
Bucyrus, 6.2 miles southeast of, at northwest corner of crossroads, at stop No. 167 on Southwestern Ry. (electric); spike in base of trolley pole, marked "1060.1"	1, 059.95
Galion, 4 miles northwest of, at stop No. 164 on Southwestern Ry. (electric); spike in base of trolley pole, marked "1061.9"	1, 061.76

Point near Galion north along highways through Leesville and West Liberty to point about 3 miles northeast of West Liberty.

Galion, 1 mile north of station, southeast corner of road crossing; spike in base of telephone pole, marked "1172.5"	1, 172.39
Galion, southwest corner of crossroads; spike in base of fence post, marked "1155.1"	1, 154.93
Middletown, 0.4 mile south of, on west abutment at south end of stone drain; chiseled square, marked "1125.1"	1, 124.96
Middletown, southwest corner of crossroads; iron post stamped "1134"	1, 133.576
Leesville, 0.6 mile south of, northwest corner of crossroads; spike in base of fence post, marked "1152.9"	1, 152.72
Leesville, 325 feet south of crossroads in center of town, south end of east abutment of stone culvert over Sandusky River, on southwest corner of stone in first course below top course; chiseled square, marked "1107.276"	1, 107.12
Leesville, 0.8 mile north of, northwest corner of crossroads, on top of stone drain; chiseled square, marked "1124.4"	1, 124.24
Leesville, 1.8 miles north of, northeast corner of crossroads; iron post stamped "1110"	1, 109.477
Leesville, 2.4 miles north of, southeast corner of crossroads, northwest corner of churchyard at St. Pauls German Church, on stone base of fence post; chiseled square, marked "1120.7"	1, 120.50
Leesville, 3.4 miles north of, 200 feet south of T road east, on top of north abutment west wing wall of small iron bridge over creek; chiseled square, marked "1108.8"	1, 108.62
Liberty, 0.8 mile south of, northeast corner of crossroads; chiseled square on large stone, marked "1114.1"	1, 113.89
Liberty, southeast corner of T road east; iron post stamped "1106"	1, 106.016
Liberty, 0.7 mile north of, on east side of road at road forks; spike in base of telephone pole, marked "1134.5"	1, 134.18
Liberty, 1.9 miles northeast of, northeast corner of crossroads; chiseled square on top of large bowlder, marked "1159.7"	1, 159.36
Tiro, 1.5 miles southeast of, at milepost C79, northeast corner of overhead crossing; iron post stamped "1137"	1, 136.722
Dekalb, 2.8 miles northeast of, northeast corner of T road west and private road east; chiseled square on top of large bowlder, marked "1116.5"	1, 116.19

Bucyrus north along highways through Chatfield to Carrothers.

Bucyrus, northeast corner of North Sandusky and Plymouth streets, 2 feet north of catch basin, chiseled square on stone curbing, marked "983.360"	983.29
Bucyrus, crossing of Columbus-Sandusky pike and Toledo & Ohio Central Ry.; top of south rail, marked "1007.7"	1, 007.62

Bucyrus, 1.8 miles north of, east side of road at T road west; spike in base of telephone pole, marked "1011.0"	Feet. 1,010.87
Bucyrus, 2.9 miles north of, southeast corner of T road east; spike in base of telephone pole 8848, marked "1008.0"	1,007.92
Bucyrus, 3.5 miles north of, on Columbus-Sandusky pike, southwest corner of crossroads; iron post stamped "1009"	1,008.895
Bucyrus, 4 miles north of, southwest corner of crossroads, south end of iron drain pipe; painted square, marked "1008.5"	1,008.34
Bucyrus, 5 miles north of, on east side of road at T road west; spike in base of telephone pole, marked "1012.1"	1,011.98
Ridgeton, 0.5 mile west by 0.5 mile south of, in southeast corner of German M. E. Church yard, on stone curb of well at northeast corner of crossroads; chiseled square, marked "1001.6"	1,001.40
Ridgeton, 0.5 mile west of, west side of road at T road east; iron post stamped "983"	982.628
Ridgeton, 0.5 mile west by 0.5 mile north of, southwest corner of crossroads; chiseled square on large stone, marked "1000.8"	1,000.59
Chatfield, 2 miles south of, northwest corner of lower stone step to entrance of German Pietisten Church at crossroads; chiseled square, marked "1007.7"	1,007.54
Chatfield, 1 mile south of, northeast corner of crossroads; spike in base of fence post, marked "990.2"	990.02
Chatfield, northeast corner of crossroads; iron post stamped "984"	983.528
Chatfield, 1 mile north of, northwest corner of crossroads; spike in base of telephone pole, marked "984.3"	984.01
Carrothers, 1.4 miles south of, northeast corner of crossroads at schoolhouse and church; spike in base of telephone pole, marked "981.2"	980.97
Carrothers, 0.4 mile south of, northwest corner of crossroads; chiseled square on top of drain pipe, marked "971.0"	970.69
Carrothers, northwest corner of crossing of Columbus-Sandusky pike and Pennsylvania R. R., 15 feet north of railroad, 40 feet west of pike; iron post stamped "971"	970.476

Bucyrus northeast along Plymouth road through Sulphur Springs to point 2 miles northeast of Tiro.

Bucyrus, 1.1 miles northeast of, on Plymouth road, 275 feet northeast of Columbus & Southern Ry., on south abutment at east end of stone culvert; chiseled square, marked "999.9"	999.84
Bucyrus, 2.2 miles northeast of, northeast corner of crossroads; spike in base of telephone pole, marked "1007.6"	1,007.48
Bucyrus, 2.8 miles northeast of, northwest corner of crossroads; chiseled square on large stone, marked "1035.8"	1,035.69
Bucyrus, 3.2 miles northeast of, on west side of road at T road east; iron post stamped "1030"	1,030.198
Bucyrus, 3.9 miles northeast of, southwest corner of T road north, on stone at base of fence post; chiseled square, marked "1040.0"	1,039.92
Sulphur Springs, 1.6 miles southwest of, on doorsill at entrance to Evangelical Church at crossroads; chiseled square, marked "1051.3"	1,051.17
Sulphur Springs, southeast corner of crossroads, in lawn in front of J. W. Bittikofer's residence; iron post stamped "1025"	1,025.650
Sulphur Springs, 1.5 miles northeast of, 350 feet southwest of crossroads at church, on south abutment east wing wall of small iron bridge; chiseled square, marked "999.5"	999.35

Sulphur Springs, 2.7 miles northeast of, northeast corner of T road south; spike in base of fence post, marked "1028.7"	1,028.60
Sulphur Springs, 4.1 miles northeast of, northwest corner of T road north; spike in base of fence post, marked "1010.6"	1,010.53
Tiro, 0.5 mile northwest by 1.1 miles southwest of, northeast corner of crossroads; iron post stamped "1029"	1,029.806
Tiro, 0.5 mile northwest of, 50 feet north of railroad, west side of road at road forks; spike in base of telephone pole, marked "1030.6"	1,030.55
Tiro, 0.5 mile north and 0.5 mile northeast of, 180 feet west of T road south, southeast corner of east abutment of small iron bridge; chiseled square, marked "1030.3"	1,030.20
Tiro, 0.5 mile north and 1.7 miles northeast of, northeast corner of crossroads, southeast corner of stone drain; chiseled square, marked "1045.3"	1,045.22

Point near North Auburn north along highway 3 miles.

North Auburn, 1.4 miles southwest of, northwest corner of road crossing; spike in base of telephone pole, marked "977.243"	976.70
North Auburn, 0.5 mile north by 1.5 miles west of, northwest corner of crossroads, on stone step at entrance of Cranberry Chapel; chiseled square, marked "967.6"	967.04
North Auburn, 1.5 miles north by 1.5 miles west of, on north side of road at T road south; spike in base of telephone pole, marked "952.9"	952.36
New Pittsburg, 3 miles west by 0.8 mile north of, Seneca-Huron County line road, on north abutment west wing wall of small iron bridge over creek; chiseled square marked "936.1"	935.51

Sulphur Springs north to point 2 miles northwest of New Washington.

Sulphur Springs, southeast corner of crossroads, in lawn in front of J. W. Bittihof's residence; iron post stamped "1025"	1,025.650
Sulphur Springs, 1.1 miles north of, southwest corner of T road west; spike in base of telephone pole, marked "985.4"	985.31
Sulphur Springs, 1.3 miles north by 0.5 mile west of, northeast corner of T road north; chiseled square on large stone, marked "1028.6"	1,028.43
Sulphur Springs, 2.2 miles north by 0.5 mile west of, west side of road at T road east; spike in base of fence post, marked "1003.1"	1,002.94
Sulphur Springs, 3.2 miles north by 0.5 mile west of, on west side of road at T road east; iron post stamped "1006"	1,005.593
New Washington, 1.5 miles south by 1.5 miles west of, southeast corner of crossroads; spike in base of telephone pole, marked "1002.8"	1,002.65
New Washington, 0.5 mile south by 1.5 miles west of, southwest corner of crossroads; chiseled square on top of stone, marked "1005.4"	1,005.20
New Washington, 1.5 miles northwest of, southwest corner of crossroads; spike in base of telephone pole, marked "987.6"	987.40
New Washington, 1.9 miles northwest of, southeast corner of road crossing, spike in base of telephone pole, marked "963.886"	963.38

Point 3.4 miles northeast of North Auburn southwest along Toledo & Ohio Central Ry. to New Washington, thence northwest along Pennsylvania R. R. to Carrothers.

North Auburn, 2.6 miles northeast of, 400 feet north of crossroads at Basswood Church and schoolhouse, southeast corner of road crossing; spike in base of telephone pole, marked "956.8"	956.28
North Auburn, 1.5 miles northeast of, northeast corner of road crossing; spike in base of telephone pole, marked "945.2"	944.64

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North Auburn, 0.6 mile northeast of, south side of track; spike in base of west post of gate to field, marked "950.3"	Feet. 949. 75
North Auburn, 25 feet south of railroad and 30 feet west of public highway, at Northern Ohio Ry. station, at road crossing; iron post stamped "958".	957. 288
North Auburn, 1.4 miles southwest of, northwest corner of road crossing; spike in base of telephone pole, marked "977.243"	976. 703
New Washington, 1 mile east of, northeast corner of road crossing, 30 feet north of railroad; spike in base of fence post, marked "992.2"	991. 62
New Washington, northwest corner of Kibler Street crossing of Northern Ohio Ry.; iron post stamped "993"	992. 221
New Washington, at west end of station, southwest corner of road crossing; spike in base of telephone pole, marked "983.5"	982. 93
New Washington, 1.9 miles northwest of, southeast corner of road crossing; spike in base of telephone pole, marked "963.886"	963. 38
Carrothers, 2.1 miles southeast of, southwest corner of road crossing; spike in base of telephone pole, marked "962.4"	961. 92
Carrothers, 1.3 miles southeast of, 20 feet north of railroad, southwest corner of road crossing, on top of concrete culvert, east abutment; chiseled square marked "964.6"	964. 15
Carrothers, 0.5 mile southeast of, northwest corner of road crossing; spike in base of telephone pole, marked "970.8"	970. 26
Carrothers, crossing of Columbus-Sandusky and Mansfield-Toledo lines of the Pennsylvania R. R.; top of rail	971. 82
Carrothers, northwest corner of crossing of Columbus-Sandusky pike and Pennsylvania R. R., 15 feet north of railroad, 40 feet west of pike; iron post stamped "971"	970. 476

Bucyrus east to Leesville.

Bucyrus, 1.4 miles east of, northwest corner of road forks; spike in base of telephone pole, marked "1028.8"	1, 028. 75
Bucyrus, 2.6 miles east of, 350 feet east of cemetery, north end of stone drain; chiseled square, marked "1021.8"	1, 021. 68
Bucyrus, 3.8 miles east of, northeast corner of crossroads; iron post stamped "1041"	1, 040. 889
Bucyrus, 5.1 miles east of, on south side of road at T road north; spike in base of telephone pole, marked "1043.5"	1, 043. 39
North Robinson, 1.5 miles north of, southeast corner of crossroads; spike in base of telephone pole, marked "1051.2"	1, 050. 99
North Robinson, 1.5 miles north by 1 mile east of, on Mansfield road, southwest corner of crossroads; iron post stamped "1060"	1, 060. 117
North Robinson, 1.5 miles north by 2 miles east of, 350 feet west of crossroads, on south abutment at west end of stone drain; chiseled square, marked "1078.5"	1, 078. 32
Leesville, 1.25 miles northwest of, southeast corner of road forks, on west abutment, south wing wall, of small steel bridge over Sandusky River; chiseled square marked "1045.7"	1, 045. 52

NORWALK QUADRANGLE.

Chicago Junction south along highway to point near Plymouth.

New Haven, northeast corner of intersection of five roads, south end of town; iron post stamped "935 OHIO"	934. 971
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Temporary bench marks near Greenwich.

Greenwich, 1.5 miles south of, northeast corner of crossroads; copper nail in side of fence post	1, 090. 39
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Greenwich, northwest corner of Main Street and Cross Street, 200 feet south of railroad; square cut on curb.....	1,041.00
Greenwich, 0.25 mile west of, south end of east abutment of bridge over Townsend Street; copper bolt (Baltimore & Ohio R. R. bench mark No. 496)	1,029.62
Greenwich, 1.5 miles southwest of, 300 feet north of crossroads, west side of track; southeast spike in post of concrete rail rest.....	1,051.01

Point near Hunts Corners to Norwalk.

Hunts Corners, 0.8 mile east of, at northwest corner of north end of concrete culvert; top of parapet.....	759.39
Monroeville, 1.5 miles west of, at southeast corner of schoolhouse; east end of lower step.....	748.42
Monroeville, at southwest corner of crossing; iron post stamped "723 OHIO"	723.697
Monroeville, 2 miles east by 1 mile south of, at northeast corner of crossroads; iron post stamped "727 OHIO".....	727.467
Norwalk, 1.5 miles west by 0.5 mile south of, at bridge over East Branch of Huron River; top of west end of north truss.....	692.54
Norwalk, at northeast corner of Main and West streets; spike in root of maple tree.....	729.23
Norwalk, in front of courthouse; iron post stamped "733 OHIO".....	733.411

Fitchville northwest along highway to Norwalk.

Fitchville, 0.8 mile north of, at northwest corner of T road west; spike in base of telephone pole, painted "985.9".....	985.89
Fitchville, 1.8 miles northwest of, at southwest corner of crossroads; spike in base of telephone pole, painted "983.6".....	983.58
Fitchville, 2.3 miles northwest of, at northwest corner of T road south; iron post stamped "974".....	974.362
Fitchville, 3.1 miles northwest of, 800 feet north of T road east, on northwest corner of west abutment of bridge; chiseled square painted "975.0".....	974.94
Olena, 1.8 miles southeast of, at northwest corner of T road west; spike in base of telephone pole, painted "989.2".....	989.13
Olena, at southeast corner of crossroads; iron post stamped "955 OHIO".....	954.904
Olena, 1.8 miles northwest of, at northwest corner of T road west; spike in base of telephone pole, painted "928.1".....	927.98
Olena, 2.8 miles northwest of, at northeast corner of T road east; spike in base of telephone pole, painted "900.5".....	900.42
Norwalk, 2.8 miles southeast of, at southwest corner of crossroads; iron post stamped "846 OHIO".....	845.594
Norwalk, 1.7 miles southeast of, at northwest corner of crossroads; spike in base of telegraph pole, painted "784.0".....	783.82
Norwalk, 1.2 miles southeast of, at road west to county infirmary, at southwest corner of T road; spike in base of fence post painted "775.2".....	775.09

Norwalk southeast along highway to point 2.6 miles south of Collins.¹

Norwalk, at center of street crossing of Wheeling & Lake Erie R. R.; top of north rail of main track, painted "719.2".....	718.9
Norwalk, 1.6 miles east of, at railroad crossing, east of waterworks; spike in base of telegraph pole, painted "770.6".....	770.27
Norwalk, 2.7 miles east of, at southeast corner of crossroads, near brick schoolhouse; chiseled square on stone culvert, painted "832.7".....	832.31

¹ Double line, in adjustment of which it was necessary to revise adjustment of lines in north half of New London quadrangle, raising by 0.4 foot the Bulletin 411 value for the bench mark 2.6 miles south of Collins.

Norwalk, 4.1 miles east of, at northwest corner of crossroads; iron post stamped "881".....	Fest. 880. 043
Norwalk, 5.6 miles east of, 1.5 miles northwest of Hartland Station, at northwest corner of T road north; spike in base of corner post, painted "905.2".....	904. 60
Hartland Station, 1.1 miles northwest of, at head of T road south; spike in base of telephone pole, painted "911.8".....	911. 20
Hartland Station, 0.25 mile north of, at northwest corner of crossroads; chiseled square on stone culvert, painted "936.9".....	936. 22
Collins, 2.6 miles south of, 0.25 mile north of Hartland Station, at northeast corner of crossroads, in foundation of wall of residence of Wm. Dedow, center of west face; aluminum tablet stamped "937".....	937. 936

Boughtonville north along highways to Norwalk.

Boughtonville, 1 mile north of, at northeast corner of crossroads; spike in base of fence post, painted "965.4".....	965. 35
Boughtonville, 1.7 miles north of, at southwest corner of crossroads; spike in root of maple tree, painted "948.0".....	947. 97
North Fairfield, 1.1 miles south of, at southwest corner of crossroads; spike in base of corner post, painted "946.4".....	946. 37
North Fairfield, at northeast corner of crossroads; iron post stamped "932".....	932. 363
North Fairfield, 1 mile north of, at northeast corner of crossroads; spike in base of telephone pole, painted "911.0".....	911. 02
North Fairfield, 1.7 miles north of, at southeast corner of T road east; spike in base of telephone pole, painted "897.9".....	897. 85
North Fairfield, 2.4 miles north of, at southeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 48, 1910, 884".....	884. 346
Norwalk, 5.8 miles south of, at northeast corner of crossroads; iron post stamped "867".....	867. 014
Norwalk, 4.7 miles south of, at northeast corner of crossroads; spike in base of telephone pole, painted "845.5".....	845. 43
Norwalk, 3.7 miles south of, at southwest corner of crossroads; spike in base of trolley pole, painted "818.7".....	818. 61
Norwalk, 2.1 miles south of, at southeast corner of T road east; spike in base of telephone pole, painted "777.3".....	777. 25
Norwalk, 1.5 miles south of, on north end of west abutment of stone-arch bridge; chiseled square, painted "733.6".....	733. 46
Norwalk, 1.1 miles south of, at southwest corner of T road west; spike in base of telephone pole, painted "746.6".....	746. 52

Point 3 miles east of Chicago Junction north along highways to point 3 miles west of Norwalk.

Steuben, 3.5 miles south of, at southeast corner of crossing; spike in telegraph pole, painted "937.570".....	937. 56
Steuben, 2.5 miles south of, at northeast corner of crossroads; spike in base of trolley pole, painted "944.0".....	944. 01
Steuben, 1.8 miles south of, at northeast corner of crossroads; spike in base of trolley pole, painted "920.5".....	920. 45
Steuben, 1 mile south of, at southeast corner of crossroads; spike in base of trolley pole, painted "890.2".....	890. 17
Steuben, at southeast corner of public square lot; iron post stamped "871".....	871. 414

Steuben, 1 mile north of, on north bridge abutment at west end, 300 feet south of crossroads; chiseled square, painted "813.4"	Feet. 813. 37
Steuben, 1.8 miles north of, at head of T road west; spike in base of telegraph pole 3439, painted "824.5"	824. 40
Steuben, 2.5 miles north of, at southwest corner of crossroads; spike in brace of telephone pole, painted "818.9"	818. 81
Steuben, 3.6 miles north of, at southeast corner of T road east; spike in base of telephone pole, painted "797.0"	796. 92
Steuben, 4.1 miles north of, 2.2 miles west of Peru, at southeast corner of crossroads; iron post stamped "807 OHIO"	807. 084
Steuben, 4.8 miles north of, at head of T road west; spike in base of telephone pole, painted "781.0"	780. 95
Steuben, 5.6 miles north of, at southeast corner of T road east; spike in base of telegraph pole, painted "770.1"	770. 01
Steuben, 6.3 miles north of, at southeast corner of T road east; spike in base of telephone pole, painted "761.5"	761. 34
Monroeville, 2 miles east by 3.4 miles south of, at northeast corner of T road north; spike in base of telephone-pole anchor, painted "716.8"	716. 67
Monroeville, 2 miles east by 2.7 miles south of, at head of lane east; spike in base of telephone pole 3669, painted "755.0"	754. 89

SHILOH QUADRANGLE.

Mansfield north along highways to point 2.5 miles south of Greenwich.

Mansfield, 100 feet north of Wooster road at railroad crossing, on top of retaining wall of bridge 153; chiseled square	1, 151. 150
Mansfield, 1 mile north of, in front of Austin Manufacturing Co. storehouse; square cut on stone	1, 152. 23
Mansfield, crossing of Pennsylvania R. R. and State road; top of north rail of east bound track of main line	1, 147. 58
Mansfield, 3 miles north of, in southwest corner of pike and T road west; iron post stamped "1279"	1, 278. 906
Mansfield, 4.5 miles north of, on top of concrete wall at southeast corner of crossroads; square cut	1, 281. 75
Mansfield, 4.5 miles north by 1 mile west of, northeast corner of T road; copper nail in telephone pole	1, 267. 96
Mansfield, 7 miles north by 1 mile west of, in northeast corner of crossroads; iron post stamped "1162"	1, 162. 129
Mansfield, 7.5 miles north by 1 mile west of, at intersection of crossroad and T road; square cut on top of section stone	1, 146. 17
Mansfield 9 miles north of, southwest corner of crossroads; copper nail in side of telephone pole	1, 102. 45
Mansfield, 10 miles north of, northeast corner of T road west; iron post stamped "1060 OHIO"	1, 059. 796
Rome, northeast corner of crossroads, 100 feet east of Hunter's general store; square cut on large stone	1, 107. 71
Greenwich, 6 miles south of, in northwest corner of crossroads; iron post stamped "1108"	1, 107. 752
Greenwich, 3 miles south of, on stone steps of entrance to schoolhouse; square cut	1, 151. 18
Greenwich, 2.5 miles south of, in southeast corner of crossroads, 15 feet north of northwest corner of United Brethren Church; iron post stamped "1130"	1, 129. 632

Mansfield west along electric railroad to Crestline.

	Feet.
Mansfield, east side of park, on curbstone opposite courthouse; square cut..	1, 237. 33
Mansfield, east side of station; copper nail in telephone pole.....	1, 159. 31
Mansfield, 2.5 miles west of, northwest corner of T road north; square cut on top of large stone.....	1, 230. 23
Mansfield, 3 miles west of, in northeast corner of crossing, 200 feet south of Roseland schoolhouse; iron post stamped "1287".....	1, 286. 596
Mansfield, 5 miles west of, at Stewards Pay station on Central Ohio Electric R. R.; copper b. m. nail in station platform.....	1, 387. 39
Crestline, 7.5 miles east of, at stop 107, in floor of platform at station; copper nail.....	1, 421. 30
Crestline, 7 miles east of, in northeast corner of railroad crossing; iron post stamped "1400 OHIO".....	1, 400. 377
Crestline, 4.5 miles east of, center of road crossing at Shelby road station; top of north rail.....	1, 315. 17
Crestline, 3.5 miles east of, in southeast corner of crossing; iron post stamped "1264 OHIO".....	1, 264. 239
Crestline, 1.5 miles east of, opposite schoolhouse (Sandusky Township sub-district No. 2); spike in telephone pole.....	1, 185. 21

Point 3 miles southwest of Greenwich southwest along Cleveland, Cincinnati, Chicago & St. Louis Ry. to Crestline.

Greenwich, 3 miles southwest of, in northeast corner of crossing; iron post stamped "1060 OHIO".....	1, 059. 774
Greenwich, 4 miles southwest of, northwest corner of crossing; spike in side of crossing sign.....	1, 065. 69
Shiloh, northeast corner of Main Street and crossing of railroad; iron post stamped "1084".....	1, 084. 157
Shiloh, 3 miles southwest of, in northwest corner of road crossing; iron post stamped "1064".....	1, 063. 704
Shelby, northeast corner of crossing of Main Street and railroad; iron post stamped "1103 OHIO".....	1, 103. 251
Vernon Junction, east of railroad, on north side of east-west road, near telephone pole; iron post stamped "1125 OHIO".....	1, 124. 600
Crestline, 5 miles north of, southeast corner of crossing; copper nail in top of fence post.....	1, 147. 08
Crestline, 4 miles north of, northwest corner of crossing, at T road southwest; copper nail in top of fence post.....	1, 142. 92
Crestline, 3 miles north of, southeast corner of crossing; spike in telephone pole.....	1, 144. 59
Crestline, 1.5 miles north of, west side of railroad, center of two crossroads; spike in signpost.....	1, 148. 04
Crestline, northwest corner of Bucyrus and Thomas streets, opposite city hall; iron post stamped "1161 OHIO".....	1, 160. 486

Point near Tiro north along highways 4 miles, thence east to Plymouth.

Dekalb, 3.8 miles northeast of, on east side of old State road, 100 feet south of mailbox in front of W. H. Pettit's residence; chiseled square on top of large boulder, marked "1117.0".....	1, 116. 63
Tiro, 3.25 miles northeast of, on old Columbus and Portland State road, northeast corner of crossroads; iron post stamped "1063".....	1, 063. 098
Tiro, 4.3 miles northeast of, southeast corner of crossroads, on stone at base of stone fence post; chiseled square, marked "1042.9".....	1, 042. 47

Plymouth, 2.25 miles west by 1.7 miles south of, northeast corner of T road east, on sandstone rock 2 feet square; chiseled square, marked "1007.2".	1,006.72
Plymouth, 2.25 miles west of, 1 mile south of Columbus-Portland State road, northeast corner of crossroads; iron post stamped "1007".....	1,006.778
Plymouth, 2.25 miles west of, northwest corner of crossing, on north abutment, west wing wall of small iron bridge, 25 feet south of railroad; chiseled square, marked "958.6".....	958.08
Plymouth, 3.4 miles west of, northwest corner of private-road crossing; spike in base of fence post, marked "960.2".....	959.69
Plymouth, 1.5 miles west of, at road crossing, 25 feet south of railroad track; square cut on bridge.....	973.519

Plymouth south and east along highway to Cleveland, Cincinnati, Chicago & St. Louis Ry., 3 miles north of Shelby.

Plymouth, southeast corner of railroad crossing; iron post stamped "1012 OHIO".....	1,012.512
Plymouth, 1.5 miles south of, northwest corner of crossroads; copper nail in top of fence post.....	1,021.24

Point near Crestline to point near Gallon.

Crestline, 1.25 miles south of, northeast corner of crossing; copper nail...	1,176.98
Crestline, 2.25 miles south of, center of crossroads at Patton station; top of north rail of north-bound track.....	1,174.40

SIAM QUADRANGLE.

Point near Carrothers northwest along Pennsylvania R. R. to point near Bloomville.

Carrothers, 1.1 miles northwest of, northeast corner of road crossing; spike in base of telephone pole, marked "961.8".....	961.18
St. Stephens, 0.5 mile southeast, southwest corner of private-road crossing; spike in base of telephone pole, marked "957.4".....	956.8
St. Stephens, 425 feet northwest of station, northeast corner of crossing; iron post stamped "948".....	947.143
St. Stephens, 1.25 miles northwest of, northwest corner of road crossing; spike in base of telephone pole, marked "948.5".....	947.79
Bloomville, 1.3 miles southeast of, southeast corner of road crossing; spike in base of telephone pole, marked "942.3".....	941.63
Bloomville, 0.5 mile east of, center of town, northeast corner of road crossing; spike in base of telephone pole, marked "930.285".....	929.57
Bloomville, 2 feet north of southwest corner of town hall, in water table; aluminum tablet stamped "932".....	933.371

Point near Carrothers northeast along highway to Siam.

Carrothers, 0.7 mile north of, southeast corner of crossroads; chiseled square on south end of stone drain, marked "964.1".....	963.52
Carrothers, 1.8 miles north of, southwest corner of T road west, on stone drain in front of Fred Richard's residence; chiseled square, marked "950.7".....	950.17
Caroline, 1.1 miles south of, southwest corner of crossroads; spike in base of telephone pole, marked "940.9".....	940.37
Caroline, northwest corner of crossroads; iron post stamped "929".....	928.568
Attica, crossroads in center of town, northwest corner of, on stone curbing of well at iron pump; chiseled square, marked "952.5".....	951.99
Attica, 1.2 miles north of, northwest corner of crossroads; spike in base of telephone pole, marked "966.8".....	966.06

Siam, 1,230 feet west of crossing, 48 feet north of track, in corner of fence at private road crossing; iron post stamped (Coast and Geodetic Survey bench mark).....	Feet. 955.386
Point 2 miles north of Auburn north along highway to point 2 miles southeast of Flat Rock.	
New Pittsburg, 3 miles west by 1.5 miles north of, on north end of north abutment east wing wall of steel bridge over creek; chiseled square, marked "927.1".....	926.51
Attica, 3.5 miles southeast by 1 mile south of, on Seneca-Huron County line road, 25 feet northwest of steel bridge over Honey Creek; iron post stamped "921".....	920.261
Attica, 3.5 miles southeast of, southeast corner of T road south; spike in base of telephone pole, marked "948.2".....	947.62
Attica, 4 miles southeast of, 425 feet east of church at T road north, chiseled square on top of stone drain across road; top of south end of drain, marked "951.6".....	951.05
Chicago, 5 miles west of, northwest corner of T road east; chiseled square on southwest corner of stone drain, marked "954.6".....	954.05
Chicago, 0.5 mile north by 5 miles west of, southwest corner of T road south; chiseled square on east end of stone drain, marked "932.1".....	931.49
Chicago, 5 miles northwest of, about 400 feet east of milepost C-266, southeast corner of road crossing; iron post stamped "924".....	923.427
Centerton, about 3 miles west of, 400 feet south of crossroads, at schoolhouse; chiseled square on northwest corner of concrete bridge, marked "900.7".....	900.10
Centerton, about 3 miles west by 0.6 mile north of, southeast corner of steel bridge over Mud Creek; chiseled square on north abutment, marked "885.2".....	884.61
Omar, 1 mile south by 3 miles east of station, south side of road at T road north; spike in base of telephone pole, marked "890.0".....	889.46
Omar, 3 miles east of, northeast corner of crossroads at schoolhouse (Norwich Township district No. 2); iron post stamped "870".....	869.214
Omar, 3 miles east by 1 mile north of, 600 feet south of road forks, on north abutment west wing wall of small iron bridge across road; chiseled square, marked "846.1".....	845.45
Havana, 3 miles west of, north wall of stone drain at T road north; chiseled square on northwest corner, marked "843.4".....	842.82
Weavers Corners, 2.7 miles south of, 450 feet south of crossroads; on north abutment west side of iron bridge over creek, northwest corner of top course; chiseled square, marked "817.6".....	817.03
Weavers Corners, 1.5 miles southeast of, northwest corner of crossroads; iron post stamped "818".....	817.876
Weavers Corners, 1 mile northeast by 0.8 mile south of, on north abutment west end of small iron bridge over creek; chiseled square marked "804.6".....	803.93
Weavers Corners, 1 mile northeast of, southeast corner of road forks; spike in base of telephone pole, marked "804.3".....	803.64
Weavers Corners, southeast corner of crossroads; spike in base of telephone pole, marked "815.8".....	815.15
Weavers Corners, 1.4 miles northeast of, 40 feet west of St. Pauls Evangelical Lutheran Church, on east side of road, on northwest corner of stone step; chiseled square, marked "805.2".....	804.54
Flat Rock, 0.8 mile south by 1.8 miles east of, at southwest corner of iron bridge over Megginsen Creek, on top of steel plate of bridge seat; painted square, marked "795.345".....	795.58

Siam north to point southwest of Flat Rock.

Siam, 0.8 mile north of, northwest corner of crossroads; iron post stamped "938"	Feet. 937.834
Omar, 0.8 mile south of, southwest corner support of water tank; chiseled square on stone base of support, marked "902.5"	901.95
Omar, on concrete step at southeast corner of store and ticket office; chiseled square, marked "904.4"	903.88
Omar, 0.5 mile west of, northwest corner of T road north; spike in base of fence post, marked "903.2"	902.67
Omar, 0.5 mile west by 1 mile north of station, southeast corner of crossroads; iron post stamped "892"	891.076
Omar, 0.5 mile west by 2 miles north of, southeast corner of crossroads, on north end of first concrete step to main entrance of Catholic Church; chiseled square, marked "878.1"	877.58
Frank, 0.5 mile west by 2 miles south of station, northwest corner of crossroads; spike in base of telephone pole, marked "868.7"	868.10
Frank, 0.5 mile west by 1 mile south of station, northwest corner of crossroads; spike in base of fence post, marked "852.0"	851.43
Frank, 0.5 mile west of station, southeast corner of crossroads; iron post stamped "829"	828.388
Flat Rock, 1.8 miles south by 1 mile west of, at southwest corner of crossroads; spike in base of fence post, marked "804.516"	804.70

Point near Flat Rock east to Hunts Corners.

Flat Rock, 0.8 mile south of, 0.5 mile east of, 60 feet west of Sam Leininger's house; top of bowlder	808.51
Flat Rock, 0.8 mile south by 1 mile east of, at northeast corner of jog road; spike in fence post, marked "806.558"	806.77
Flat Rock, 0.8 mile south by 1.8 miles east of, at southwest corner of iron bridge; top of steel plate of bridge seat, marked "795.347"	795.58
Flat Rock, 2.5 miles east of; top of east end of south I beam of bridge over Mezzinson Creek, marked "791.037"	791.28
Hunts Corners, at northeast corner of crossroads; iron post stamped "769" ..	769.133

Point near Flat Rock west along highway to point 5 miles north of Republic.

Flat Rock, 0.25 mile north of, at southwest corner of crossroads; spike in telephone pole	793.05
Flat Rock, 0.8 mile south by 0.5 mile west of, at southeast corner of road crossing; iron post stamped "800 OHIO"	799.691
Flat Rock, 0.8 mile south by 1 mile west of, at southeast corner of crossroads; spike in telephone pole	800.98
Flat Rock, 1.8 miles south by 1 mile west of, at southwest corner of crossroads; spike in fence post	804.70
Flat Rock, 1.8 miles south by 2 miles west of, at northwest corner of crossroads, at northeast pier of bridge; top of iron plate in bridge seat	802.38
Flat Rock, 3 miles west by 1.8 miles south of, at southeast corner of crossroads; iron post stamped "826 OHIO"	826.526
Flat Rock, 3.5 miles west by 1.8 miles south of, at southeast corner of crossroads; spike in telephone pole, marked "810.606"	810.79
Flat Rock, 2.25 miles south by 4.5 miles west of, on Kilbourne road; spike in telephone pole	828.35
West Lodi, 2 miles north by 1 mile west of; iron post stamped "820 OHIO" ..	819.754

West Lodi, 2.5 miles north by 1.5 miles west of, in southeast pier of bridge over Noel Ditch; top of bolt.....	Feet. 809.39
West Lodi, 2 miles west by 2.5 miles north of, 200 feet west of northwest corner of crossroads; spike in telephone pole.....	821.46
Lowell, 0.5 mile south by 2 miles east of, at northwest corner of small bridge; top of bolt in bridge seat.....	778.58
Republic, 5 miles north by 1 mile west of, at northeast corner of crossroads, south side of brick house of A. J. Rule, in foundation; bronze tablet stamped "792".....	792.847

SANDUSKY QUADRANGLE.

Point near Norwalk north along highways 2 miles.¹

Norwalk, 2 miles north of, opposite lane to Crucible Steel & Iron Co.'s plant; spike in root of elm tree.....	681.52
Norwalk, 3 miles north of, on Milan road, in stone parapet of culvert; bronze tablet stamped "624 OHIO".....	625.279

Bellefontaine, Sidney, St. Paris, and Troy quadrangles.

CHAMPAIGN, LOGAN, MIAMI, AND SHELBY COUNTIES.

The elevations in the following list were determined by primary leveling extended from the Coast and Geodetic Survey precise level line in the vicinity and accord with the 1907 adjustment and with values in Bulletins 411 and 476.

The leveling was done in 1911, in the Bellefontaine and Sidney quadrangles by E. C. Bibbee, in the St. Paris quadrangle by J. J. McNulta, and in the Troy quadrangle by E. C. Bibbee and J. J. McNulta.

Additional elevations in the Sidney and Troy quadrangles are given in Bulletins 411 and 476.

BELLEFONTAINE QUADRANGLE.

Point near Quincy north to point east of Jackson Center.

Quincy, 3 miles south of, at northeast corner of M. E. Church, 150 feet south of T road east, near southwest corner of sec. 27; iron post stamped "1091 OHIO".....	Feet. 1,090.957
Quincy, 2 miles south of, highest point on large square witness stone, marked on north "Logan County," on south "Champaign County," on west "Section corner 20 feet west 20 feet south," and on east side "County line 20 feet south".....	1,093.59
Quincy, 1 mile south of, on large granite rock, at southwest corner of T road west; chiseled square.....	1,077.64
Quincy, in southwest corner of schoolhouse yard; iron post stamped "1057 OHIO".....	1,057.123
Quincy, 2.9 miles north of, 30 feet east by 20 feet north of center of crossroads, 200 feet east of J. B. Black's residence, 0.3 mile north of southwest corner of sec. 10, Logan County; iron post stamped "1063 OHIO".....	1,063.259
Maplewood, 4.5 miles southeast of, in center at east side of coping stone of bridge; chiseled square.....	1,032.31

¹ Unadjusted spur line, closing high 0.876 foot on value given in Bulletin 411, p. 98.

Maplewood, 2.25 miles east of, under wagon road, 15 feet east by 15 feet south of northwest corner of sec. 24, T. 2, R. 8 E.; top of south end of cast-iron culvert.....	Feet. 1,012.18
Maplewood, 3 miles east of, at southeast corner of crossroads, quarter corner on north side of sec. 34, T. 2, R. 8 E.; iron post stamped "Prim. Trav. Sta. No. 33, 1909, 1004".....	1,004.464
Maplewood, 3.5 miles northeast of, 100 feet west of Rum Run M. E. Church, south side of bridge over Rum Run; chiseled square on east abutment....	1,004.26
Jackson Center, 5.8 miles southwest of, 0.3 mile east of quarter corner on west side of sec. 21, T. 7 S., R. 8 E.; copper nail in top of fence post....	1,014.46
Jackson Center, 4 miles southeast of, 25 feet east by 20 feet north of quarter corner on west side of sec. 19, T. 7 S., R. 8 E., Logan County; iron post stamped "1011 OHIO".....	1,011.435
Jackson Center, 2.5 miles east of, at intersection of crossroads, at southeast corner sec. 12, T. 7 S., R. 8 E.; top of corner stone.....	1,019.27
Jackson Center, 3.5 miles northeast of, in center of T road west, at southeast corner of sec. 1, T. 7 S., R. 8 E., Logan County; highest point on corner stone.....	1,013.46

ST. PARIS QUADRANGLE.

Point near Quincy south along highway to Christiansburg.

Quincy, 4 miles south of, at northeast corner of crossroads, 20 feet east and 20 feet north of corner of secs. 19, 20, 25, and 26, T. 3, R. 13; iron post stamped "Prim. Trav. Sta. No. 35, 1116 OHIO".....	1,116.016
Carysville, on Quincy pike, northwest corner of T road west, in schoolhouse yard; iron post stamped "1129 OHIO" (T. 3, R. 13, southeast corner of sec. 30).....	1,129.073
Carysville, 3 miles south of, on St. Paris pike, in southwest corner of T road east; iron post stamped "1173 OHIO".....	1,173.016
St. Paris, 1 mile west by 1.5 miles north of, southeast corner of crossroads; square cut on large stone.....	1,217.74
St. Paris, 1.5 miles west of, on St. Paris-Piqua pike, southwest corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 42, 1226 OHIO".....	1,225.739
St. Paris, 1.5 miles west by 1 mile south of, near Dogleg pike at northeast corner of crossroads; square cut on large stone.....	1,218.79
Christiansburg, 1.5 miles east by 1.5 miles north of, on Dogleg pike, in southeast corner of crossroads; iron post stamped "1191 OHIO".....	1,190.942
Christiansburg, 1.5 miles east of, on Dogleg pike, in center of crossroads; square cut on large stone.....	1,188.04

SIDNEY QUADRANGLE.

Botkins east along public road to point near Jackson Center, thence north to point near Geyer.

Botkins, on north side of Main cross street, 0.25 mile east of Cincinnati, Hamilton & Dayton Ry., in top of cornerstone of foundation of public schoolhouse, in south face 31 inches east of west corner, 28 inches above ground; brass bolt marked with a horizontal line (Coast and Geodetic Survey bench mark).....	1,004.985
Botkins, at road crossing; top of rail.....	1,001.8
Botkins, 1 mile south of, in T. 7 S., R. 6 E., south end, east side of Western Ohio (electric) R. R. abutment; highest point on coping stone.....	985.21
Botkins, 2.2 miles southwest of, at Densmore Township subdistrict No. 10 schoolhouse; highest point on northwest corner of top step.....	1,010.29

Botkins, 3.5 miles southeast of, 30 feet south by 15 feet west of northeast corner of N. W. $\frac{1}{4}$, sec. 11, T. 7 S., R. 6 E.; iron post stamped "1026 OHIO".....	Feet. 1, 026. 214
Botkins, 4.2 miles southeast of, in north end of culvert at T road south, 0.7 mile east of northwest corner of sec. 12, T. 7 S., R. 6 E.; copper nail....	1, 035. 53
T. 7 S., R. 6 E., 20 feet east by 30 feet south of northwest corner of sec. 9; iron post stamped "1026 OHIO".....	1, 026. 435
Jackson Center, 1 mile north of, in south end west side of small bridge, 12 feet south by 20 feet east of quarter corner north side sec. 10, T. 7 S., R. 7 E.; copper nail.....	1, 017. 26
T. 7 S., R. 7 E., 20 feet south by 20 feet west of quarter corner on north side of sec. 3; copper nail in corner post at base.....	1, 013. 94
Geyer, 2 miles southeast of, NW. $\frac{1}{4}$ sec. 27, T. 6 S., R. 7 E., at southwest corner of Castle schoolhouse; aluminum tablet stamped "1016".....	1, 015. 633

Point near Jackson Center east to county line.

T. 7 S., R. 7 E., 0.25 mile west of southeast corner of sec. 2, at T road north; iron post stamped "1024 OHIO".....	1, 024. 080
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County line near Maplewood west along highway to Anna.

T. 7 S., R. 7 E., in sec. 35, 30 feet north by 25 feet east of crossroads; iron post stamped "1032 OHIO".....	1, 031. 648
T. 7 S., R. 7 E., 0.25 mile west of southeast corner of sec. 28; iron post stamped "1033 OHIO".....	1, 032. 920
T. 7 S., R. 7 E., 100 feet southwest of schoolhouse, 35 feet north by 20 feet east of center of crossroads; highest point on north end of cast iron culvert.	1, 054. 41
T. 7 S., R. 6 E., 0.25 mile east of northwest corner of sec. 36, 40 feet south by 20 feet east of center of crossroads; iron post stamped "1835 OHIO".	1, 034. 640
Anna, on First M. E. Church building, on corner of Pike and Second streets, on east side of small buttress north of east door, 30 inches above ground, 6 inches south of north edge of buttress; brass bolt, marked with a horizontal line (Coast and Geodetic Survey bench mark C-2).....	1, 030. 388

Sidney northeast along highway and north to Maplewood.

Sidney, on courthouse, on west face of foundation on north vestibule, 2 feet south of north projecting edge of foundation, 3 feet 8 inches above ground; brass bolt marked with horizontal line (Coast and Geodetic Survey bench mark G-2).....	962. 675
Sidney, 2.1 miles northeast of, near center of sec. 19, T. 1, R. 7 E., at southeast corner of crossroads; iron post stamped "952 OHIO".....	952. 048
Port Jefferson, in northeast corner of schoolhouse yard; iron post stamped "976 OHIO".....	976. 458
Port Jefferson, 1.2 miles northeast of, near center of sec. 19, T. 1, R. 14 E., on large granite rock on east side of road; chiseled square.....	1, 050. 96
Maplewood, 3.3 miles south of, at northwest corner of crossroads, 0.1 mile north of southeast corner of sec. 12, T. 1, R. 7 E.; iron post stamped "975 OHIO".....	975. 439
T. 1, R. 7 E., near quarter corner on east side of sec. 1, at northwest corner of crossroads; highest point in coping stone of small culvert.....	1, 041. 99
T. 2, R. 7 E., 0.25 mile north of southeast corner of sec. 36; iron post stamped "1032 OHIO".....	1, 032. 003
Maplewood, about 0.25 mile west of; highest point on coping stone north side of east abutment of bridge, first rock at north end of second tier, painted and chiseled.....	1, 033. 15

Point 3 miles east of Anna south to point near Port Jefferson.

Anna, 3.9 miles southeast of, at northeast corner of crossroads, 0.25 mile east of southwest corner of sec. 36, T. 7 S., R. 6 E.; chiseled square on large granite rock.....	Feet. 1,026.40
Anna, 5.3 miles southeast of, 0.3 mile west of southwest corner of sec. 32, T. 2, R. 7 E., copper nail in top of corner fence post.....	1,082.30
T. 1, R. 7 E., 0.25 mile west of northeast corner of sec. 8, at southeast corner of T road; iron post stamped "1046 OHIO".....	1,045.666
T. 1, R. 7 E., 0.2 mile west of northeast corner of sec. 17; highest point on northeast corner of schoolhouse step.....	1,046.27
T. 1, R. 7 E., near southeast corner of sec. 17, 1.4 miles southwest of Port Jefferson, in top of large fence post at T road north; copper nail.....	1,033.65

Sidney southeast 5 miles.

-Sidney, 0.8 mile south of, on concrete abutment, east end, north side of bridge over Great Miami River; chiseled square.....	937.67
Sidney, 1.5 miles south of, 1,000 feet south of west drive to Children's Home, at east end of small concrete culvert; chiseled square.....	965.63
Sidney, 4.6 miles southeast of, near southwest corner of sec. 26, T. 2, R. 13; highest point on north end of cast-iron culvert under wagon road.....	1,055.14

Point 2.6 miles east of Port Jefferson south along highway to Plattsville.

Pemberton, 2.5 miles northwest of, 25 feet south by 20 feet west of center, sec. 18, T. 2, R. 13; iron post stamped "1059 OHIO".....	1,058.926
Pemberton, 3.0 miles southwest of, 20 feet west by 15 feet south from center of sec. 16, T. 2, R. 13, at crossroads; chiseled square on granite rock....	1,063.68
T. 2, R. 13, 0.25 mile north of center of sec. 15, on west side of road, at residence of J. C. Ward; iron post stamped "1067 OHIO".....	1,067.275
T. 2, R. 13, 20 feet west by 15 feet south of center of sec. 14; highest point on west end of cast-iron culvert under wagon road.....	1,056.71

TROY QUADRANGLE.**Point 5 miles southeast of Sidney east along highway to county line.**

Sidney, 3.5 miles east by 1.8 miles south of, at northeast corner of T road north, 25 feet north by 20 feet east of junction, 0.25 mile west of northeast corner of sec. 25, T. 2, R. 13; iron post stamped "Prim. Trav. Sta. No. 36, 1909, OHIO 1078".....	1,077.550
Sidney, 6.8 miles southwest of, at southwest corner of crossroads; chiseled square on large granite rock.....	1,072.10
Sidney, 7.5 miles southeast of, 0.25 mile east of northwest corner of sec. 13, T. 2, R. 13; iron post stamped "1085 OHIO".....	1,085.337
Plattsville, 2 miles northeast of, at south end of culvert at southeast corner of crossroads, near northwest corner of sec. 7, T. 2, R. 13; chiseled square on large granite rock.....	1,073.95
Tawawa, 1.1 miles northeast of, on west side of road, opposite T road east, 0.1 mile north of southeast corner of sec. 2, T. 2, R. 13; chiseled square on large granite rock.....	1,095.60
Tawawa, 1.7 miles northeast of, at southeast corner of crossroads, 0.5 mile east of southwest corner of sec. 32, T. 3, R. 13; iron post stamped "1090 OHIO".....	1,090.060

Kirkwood east along highway to corner of Champaign, Miami, and Shelby counties.

Kirkwood, in east face of water table of schoolhouse; lead bolt marked "U. S. C. & G. S." (Coast and Geodetic Survey bench mark).....	Feet. 986.092
Kirkwood, 2 miles east of, on Kirkwood pike, at center of crossroads; square cut on section stone, painted "1035.6".....	1,035.67
Kirkwood, 3.5 miles east of, on Kirkwood-Bull pike, northeast corner of sec. 10, T. 7, R. 12; copper nail in telephone pole.....	1,069.35
Kirkwood, 5 miles east by 1.5 miles south of, southeast corner of crossroads, northwest corner of sec. 1, T. 2, R. 12; iron post stamped "1076 OHIO".....	1,075.662
Ballou, 1 mile south of, intersection of crossroads, corner of secs. 13, 16, 9, and 10, T. 2, R. 12; square cut on large stone.....	1,113.08
Ballou, 1 mile south by 1 mile east of, on county line road, northeast corner of crossroads, southwest corner of sec. 10, T. 2, R. 12; iron post stamped "1119 OHIO".....	1,119.19
T. 2, R. 13 E., southeast corner of sec. 4, southeast corner of intersection of Miami, Shelby, and Champaign county lines; square cut on large stone..	1,150.97

Piqua east along highway to St. Paris.

Piqua, in southwest corner, at Downing Street crossing of Pennsylvania R. R., on northeast corner of malt house of J. C. Schmidlapp, in water table; brass bolt, marked with horizontal line (Coast and Geodetic Survey bench mark L-2).....	876.864
Piqua, 1.5 miles east of, at crossing of Pennsylvania R. R. and Cincinnati, Hamilton & Dayton Ry., on latter railroad 50 feet north of crossing; top of square nut in bond plate of west rail.....	903.84
T. 1, R. 12 E., southwest corner of sec. 13, in northeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 37, 1909, 980 OHIO".....	980.160
Piqua, 4 miles east of, on concrete road culvert, 100 feet east of crossroads, T. 1, R. 12; square cut on north wing wall.....	992.48
Piqua, 4.5 miles east of, in northeast corner of crossroads; iron post stamped "1004 OHIO".....	1,004.121
Fletcher, 1 mile west of, on stone steps of schoolhouse at crossroads; square cut.....	1,026.94
Fletcher, on concrete steps of post office; square cut, painted "1053".....	1,053.42
Fletcher, 0.5 mile east of, in southeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 41, 1909, 1064 OHIO".....	1,063.863
Fletcher, 1.5 miles east of, on southwest corner of water trough in school yard, southwest corner of crossroads; square cut.....	1,093.70
Lena, 0.5 mile west of, in schoolhouse yard, at northeast corner of crossroads; iron post stamped "1129 OHIO".....	1,129.056
Lena, on large stone northwest corner of crossroads, 200 feet east of post office; square cut, painted "1136".....	1,136.28
Lena, 1 mile east of, in northwest corner of crossroads; copper nail in root on south side of large elm tree.....	1,168.21

Christiansburg west along highway to Troy.

Christiansburg, in northwest corner of schoolhouse yard; iron post stamped "1116 OHIO".....	1,116.078
Christiansburg, 3 miles west of, on Troy pike, in southeast corner of pike and T road south; iron post stamped "1056 OHIO".....	1,056.004
Christiansburg, 3.5 miles west of, on Troy pike, northwest corner of T road north; square cut on large stone.....	1,044.08
Casstown, 1.5 miles east of, on Troy pike, southeast corner of crossroads; square cut on large stone, painted "995".....	994.91

Casstown, in front of town hall, northwest corner of crossroads; iron post stamped "937 OHIO".....	Feet. 937. 170
Casstown, 0.5 mile west of, on Troy pike, at northwest corner of T road running north; square cut on large stone.....	908. 16
Casstown, 1.5 miles west of, on Troy and Casstown pike, northwest corner of pike and crossroads; square cut on large stone.....	894. 68
Troy, 2.5 miles east of, on Troy pike, southeast corner of T road running south; iron post stamped "834 OHIO".....	833. 671
Troy, 2 miles east of, on Troy pike, in east side of telephone pole at center of cross and T roads; copper nail.....	838. 98
Troy, southwest corner of courthouse; brass bolt marked with horizontal line (Coast and Geodetic Survey bench mark).....	841. 048

Point 0.5 mile west of Casstown north along highway to point near Fletcher.

Casstown, 0.5 mile west by 2 miles north of, southwest corner of crossroads, in front of residence of J. McDowell; iron post stamped "952 OHIO"....	952. 261
Fletcher, 1 mile west by 2 miles south of, southwest corner of Lost Creek pike; iron post stamped "989 OHIO".....	988. 897
Fletcher, 1 mile west by 1 mile south of, on east side of telephone pole, southwest corner of T road running east; copper nail.....	1, 001. 61
Fletcher, 1 mile west of, on Piqua pike, on stone steps of schoolhouse at crossroads; square cut.....	1, 026. 94

Conover south along highway to point west of Christiansburg.

Lena, 0.5 mile west of, on Piqua pike, in southeast corner of schoolhouse yard, northeast corner of crossroads; iron post stamped "1129 OHIO" ..	1, 129. 056
Conover, Pennsylvania R. R. crossing; top of rail.....	1, 134. 46
Conover, 1.5 miles south of, on section stone at center of crossroads, corner of secs. 11, 5, 10, and 4, T. 2, R. 11; square cut.....	1, 125. 09
Conover, 3 miles south by 1 mile west of, on Extension pike, southeast corner of T road north; iron post stamped "1088 OHIO"	1, 088. 414
Christiansburg, 3.5 miles west of, on Troy pike, northwest corner of pike and T road north; square cut on large stone.....	1, 044. 077
Christiansburg, at northwest corner of schoolhouse yard; iron post stamped "1116 OHIO"	1, 116. 078
Christiansburg, 2 miles south of, in northeast corner of crossroads; iron post stamped "1063 OHIO"	1, 063. 346

Christiansburg to South McKendree Church.

Christiansburg, 2 miles south of, in northeast corner of crossroads; iron post stamped "1063 OHIO"	1, 063. 346
Alcony, 2 miles east by 0.5 mile north of, northeast corner of crossroad and T road; square cut on large stone.....	1, 057. 06
Alcony, 1 mile east of, on northwest corner of pike and crossroad; square cut on large stone.....	1, 008. 27

Berne, Bobo, Bryan, Butler, Celina, Continental, Defiance, Halls Corners, Paulding St. Henry, and Van Wert quadrangles.

DEFIANCE, MERCER, PAULDING, PUTNAM, VAN WERT, AND WILLIAMS COUNTIES.

The elevations in the following list were determined by primary levels and accord with Bulletins 411 and 476.

The leveling was done in 1911, in the Berne, Bobo, and Continental quadrangles by C. E. Mills; in the Butler quadrangle by Mills and

C. R. French; in the Celina and St. Henry quadrangles by H. Clark; in the Defiance quadrangle by C. W. Howell; in the Halls Corners quadrangle by Clark and French; in the Mark Center quadrangle by A. D. Duck, French, Howell, and Mills; in the Paulding quadrangle by Duck, French, and Mills; and in the Van Wert quadrangle by Duck, Clark, and Mills.

BERNE QUADRANGLE.

Point 1 mile east of Padua west along highways to State line, thence north along State line to point 1 mile south of Van Wert-Mercer County line, thence east to point 5 miles northwest of Rockford.

	Feet.
Padua, 1 mile east of, 30 feet east of crossroads, on east abutment at north end of small iron bridge; chiseled square, marked "888.1".....	888. 12
Padua, southeast corner of crossroads; spike in base of telephone pole, marked "898.26".....	898. 24
Padua, 1 mile west of, southeast corner of T road east, on Ohio-Indiana State line; iron post stamped "895".....	895. 111
Padua, 1 mile west by 1.4 miles north of, at Zion Lutheran Church, 150 feet west of crossroads, on east abutment north wing of small iron bridge; chiseled square, marked "867.2".....	867. 18
Padua, 1 mile west by 2 miles north of, at southeast corner of T road east; painted square on south end of iron drain pipe, marked "869.5".....	869. 52
Wabash, 2.8 miles west of, northeast corner of T road east; chiseled square on north end of iron drain pipe, marked "867.0".....	867. 00
Wabash, 2.8 miles west by 0.8 mile north of, 200 feet north of T road east, 20 feet east of center of road; iron post stamped "855".....	854. 827
Skeels Crossroads, 1 mile west by 0.7 mile north of, at southeast corner of T road east; nail in south end of brace to fence post, marked "884.1" ..	884. 08
Skeels Crossroads, 1 mile west by 1.7 miles north of, southeast corner of T road east; painted square on south end of iron drain pipe, marked "869.7".....	869. 74
Chattanooga, 1 mile west by 2 miles south of, on State line road, at southeast corner of T road east; iron post stamped "Prim. Trav. Sta. No. 25, 1909, 865".....	864. 803
Chattanooga, 1 mile west by 1.2 miles south of, southwest corner of T road east, on southwest corner of west abutment of small bridge; chiseled square, marked "844.9".....	844. 90
Chattanooga, 1 mile west of, on State line road, northeast corner of C. W. Heffener's yard, 30 feet southeast of center of T road east; iron post stamped "841".....	840. 570
Chattanooga, 1 mile west by 1 mile north of, southeast corner of T road east, on stone under east end of iron brace to telephone pole; chiseled square marked "832.3".....	832. 41
Chattanooga, 2.5 miles north by 0.5 mile west of, southeast corner of T road east, 25 feet southeast of center of roads; iron post stamped "818".....	817. 976
Chattanooga, 3.5 miles north by 0.5 mile west of, southwest corner of crossroads; spike in base of fence post, marked "815.1".....	815. 14
Chattanooga, 4.25 miles north by 0.5 mile west of, southwest corner of T road south; spike in base of fence post, marked "817.4".....	817. 45
Willshire, 2.5 miles south by 0.8 mile west of, on State line road, 1 mile south of Mercer-Van Wert County line, southeast corner of T road east; iron post stamped "816".....	816. 192

Willshire, 2.5 miles south of, on south side of road at T road south, at Black Creek Township school (district No. 3); spike in base of telephone pole, marked "808.9"	Feet. 809.09
Willshire, 2.5 miles south by 1.2 miles east of, on south side of road at T road south; chiseled square on corner stone, marked "820.8"	820.88

Willshire south 2 miles.

Willshire, surface of water in St. Marys River; June 27, 1911	778
Willshire, southeast corner of, State and Simpson streets, on west edge of concrete walk, 15 feet north of northwest corner of Willshire Hotel; chiseled square, marked "800.2"	800.04
Willshire, 1 mile southwest of, on State line road, east side of road at T road west; spike in base of telephone pole, marked "807.9"	807.79
Willshire, 1.8 miles southwest of, at southeast corner of T road east; spike in base of fence post, marked "811.8"	811.71

BOBO QUADRANGLE.

Point 3 miles northwest of Convoy northwest along highway to State line, thence south along State line to point 1 mile south of Mercer-Van Wert County line.

Convoy, 3 miles northwest of, at Mount Pleasant Church, 110 feet west of crossroads, on south side of road, at west end of gate to field; iron post stamped "776"	776.371
Convoy, 4.8 miles northwest of, in southwest corner of crossroads; spike in base of telephone pole, marked "776.28"	776.27
Convoy, 5.6 miles northwest of northeast corner of crossroads; iron post stamped "779"	779.035
Convoy, 6.9 miles northwest of, 1 mile east of State line, southeast corner of crossroads, on Paulding-Van Wert County line; spike in base of fence post, marked "773.0"	772.95
Dixon, 2.5 miles north of, southeast corner of T road east; iron post stamped "777"	777.195
Dixon, 1.5 miles north of, northeast corner of T road east; spike in base of telephone pole, marked "784.6"	784.57
Dixon, 0.5 mile north of, northeast corner of T road east; spike in base of telephone pole, marked "789.3"	789.26
Dixon, at road crossing of Pennsylvania R. R.; top of north rail, marked "794.9"	794.87
Dixon, near northwest corner of post-office building, at north edge of concrete walk, 10 feet west of building; painted square, marked "791.2"	791.09
Dixon, 0.5 mile south of, on west side of road at T road east, southeast corner of schoolhouse yard; iron post stamped "795"	794.767
Dixon, 1.5 miles south of, southeast corner of T road east; spike in base of fence post, marked "800.8"	800.75
Dixon, 2.5 miles south of, southeast corner of T road east; spike in base of fence post, marked "806.8"	806.74
Dixon, 3.5 miles south of, on west side of road at T road east; spike in base of telephone pole, marked "812.8"	812.72
Dixon, 4.5 miles south of, southeast corner of T road east; iron post stamped "Prim. Trav. Sta. No. 20, 1909 OHIO 817"	816.529
Dixon, 5.5 miles south of, on west side of road at T road east; spike in base of telephone pole, marked "820.9"	820.78
Dixon, 6.5 miles south of, southeast corner of T road east; iron post stamped "834"	834.163

Watt, 0.25 mile south of, southeast corner of T road east; spike in base of fence post, marked "846.9".....	Feet. 846.87
Watt, 1.25 miles south of, southeast corner of T road east; spike in base of fence post, marked "845.4".....	845.30
Wren, 1.5 miles west by 1 mile north of, at T road east, 10 feet south of gate to field on west side of road; iron post stamped "840".....	840.394
Wren, 1.5 miles west of, at road crossing; top of north rail of Erie R. R. track, marked "832.6".....	832.49
Wren, 0.8 mile south by 1.5 miles west of, on west side of road at T road east; spike in base of telephone pole, marked "828.1".....	828.01
Willshire, 1.9 miles northwest of, on State line road, 50 feet northeast of center of T road east; iron post stamped "Prim. Trav. Sta. No. 21, 1909, OHIO 819".....	818.515
Willshire, 1.1 miles northwest of, northwest corner of road forks; spike in base of telephone pole, marked "796.6".....	796.48

BRYAN QUADRANGLE.

Point 1.5 miles northwest of Sherwood north along highways to Bryan.

Sherwood, 0.7 mile north by 1 mile west of, at crossroads, on northeast wing wall of small bridge over Sulphur Creek; chiseled square, painted "T. B. M. 712.8".....	713.07
Sherwood, 1.7 miles north by 1 mile west of, at northwest corner of crossroads; spike in telephone pole, painted "T. B. M. 722.3".....	722.59
Sherwood, 2.7 miles north by 1 mile west of, at southeast corner of crossroads; spike in telephone pole, painted "T. B. M. 719.0".....	719.29
Sherwood, 3.4 miles north by 1 mile west of, 50 feet north of T road east, 80 feet southeast of residence of Earl Cranford; iron post stamped "717 OHIO".....	717.596
Sherwood, 3.7 miles north by 1 mile west of, at northeast corner of crossroads, in floor of porch of church; copper nail painted "T. B. M. 723.5".....	723.78
Sherwood, 4.7 miles north by 1 mile west of, at northeast corner of crossroads; spike in telephone pole, painted "T. B. M. 719.5".....	719.80
Ney, 2.7 miles west by 0.9 mile south of, at southeast corner of crossroads; spike in telephone pole, painted "T. B. M. 727.0".....	727.28
Ney, 2.7 miles west of, at southeast corner of crossroads; iron post stamped "722 OHIO".....	721.854
Ney, 2.7 miles west by 1 mile north of, at southwest corner of crossroads; spike in base of fence post, painted "727.9".....	728.10
Ney, 2.7 miles west by 2 miles north of, 100 feet south of crossroads, on top of southeast corner of west wall of concrete culvert; square painted "731.6".....	731.81
Williams Center, 2 miles east of, at southwest corner of crossroads; iron post stamped "745 OHIO".....	745.701
Williams Center, 2 miles east by 1 mile north of, at southwest corner of crossroads; spike in fence post, painted "758.2".....	758.40
Bryan, 2 miles southwest of, 200 feet southeast of Dunkard Church at southeast angle of Y intersection; spike in telephone pole, painted "T. B. M. "767.3".....	767.57
Bryan, 1.5 miles north of, at southeast corner of crossroads; spike in corner fence post, painted "T. B. M. 792.2".....	792.46
Bryan, southwest corner of courthouse public square; iron post stamped "772 OHIO".....	772.106

Point 1.7 miles north of Emmett north via Ney to Bryan.

Emmett, 1.7 miles north of, in northeast corner of crossroads; spike in base of telephone pole, marked "710.0".....	Feet. 710. 17
Sherwood, 1.5 miles south of, in southwest corner of crossroads; spike in base of telephone pole, marked "708.7".....	708. 93
Sherwood, 0.7 mile south of, on west side of road at T road east; spike in base of telephone pole, marked "713.5".....	713. 68
Sherwood, southwest corner of Christian Church, 10 feet east of entrance; iron post stamped "709".....	708. 830
Sherwood, 0.5 mile north of, southeast corner of crossroads; spike in base of fence post, marked "717.476".....	717. 69
Sherwood, 0.5 mile north by 1 mile east of, northwest corner of crossroads; on top of west end of sewer-pipe drain; painted square, marked "712.4".....	712. 57
Sherwood, 1.5 miles north by 1 mile east of, at southeast corner of crossroads; iron post stamped "718".....	718. 289
Sherwood, 2.5 miles north by 1 mile east of, northeast corner of crossroads; spike in base of telephone pole, marked "718.7".....	718. 91
Sherwood, 2.5 miles north by 2 miles east of, northwest corner of crossroads; spike in base of fence post, marked "715.5".....	715. 75
Sherwood, 3.5 miles north by 2 miles east of, northwest corner of T road west, on bank about 3 feet higher than road; iron post stamped "713".....	713. 583
Ney, 0.3 mile east by 1.8 miles south of, northwest corner of T road west, 30 feet west of center of road; spike in base of telephone pole, marked "717.7".....	717. 97
Ney, 1.8 miles south of, at railroad crossing; top of east rail, marked "723.4".....	723. 64
Ney, 1.4 miles south of, northwest corner of road crossing; spike in base of warning post, marked "721.6".....	721. 88
Ney, 0.4 mile south of station, southeast corner of road crossing, in northwest corner of field; iron post stamped "Prim. Trav. Sta. No. 14, 1905".....	716. 223
Ney, southeast corner of Main and Water streets, on concrete crossing; chiseled square, marked "714.7".....	714. 97
Ney, northeast corner of T road east at schoolhouse; spike in base of telephone pole, marked "717.7".....	717. 94
Ney, 0.4 mile east by 1 mile north of, northwest corner of crossroads; spike in base of telephone pole, marked "718.1".....	718. 29
Ney, 0.4 mile east by 2 miles north of, at crossroads, on east side of road, in south end of wooden culvert; painted spikehead marked "718.8".....	719. 04
Ney, 0.4 mile east by 3 miles north of, at southwest corner of crossroads, northeast corner of field, on Williams-Defiance County line; iron post stamped "721".....	721. 741
Bryan, 2.3 miles southeast by 1.2 miles south of, at northwest corner of crossroads; spike in base of mail box post, marked "724.2".....	724.44
Bryan, 2.3 miles southeast of, 60 feet south of road forks, on east side of road; spike in base of telephone pole, marked "729.3".....	729. 58
Bryan, 1 mile southeast of, 150 feet east of crossroads, southwest corner of small iron bridge over creek; bolthead painted white, marked "731.6".....	731. 92
Bryan, at road crossing about 500 feet south of station; top of west rail, marked "744.5".....	744. 80
Bryan northwest along highways 3 miles, thence south along highways to point 3 miles south of Mark Center.	
Bryan, 1.5 miles northwest of, northwest corner of crossroads; spike in base of telephone pole, marked "805.323".....	805. 56

Bryan, 2.6 miles northwest of, southwest corner of crossroads; iron post stamped "819"	Feet. 818. 804
Bryan, 3.8 miles northwest of, northwest corner of crossroads; spike in base of fence post, marked "854.7"	854. 96
Melbern, 1.5 miles north of, northeast corner of crossroads; spike in base of fence post, marked "874.3"	874. 58
Melbern, 0.5 mile north of, northwest corner of crossroads; spike in base of fence post, marked "848.2"	848. 42
Melbern, at railroad crossing; top of south rail of west-bound passenger track, marked "846.6 R. R."	846. 89
Melbern, 0.5 mile south of, southwest corner of crossroads; iron post stamped "826"	826. 306
Melbern, 1.5 miles south of, northeast corner of crossroads; spike in base of fence post, marked "841.6"	841. 89
Melbern, 2.5 miles south of, southwest corner of crossroads on Williams-Defiance County line, southeast corner of wooden drain; spike head painted white, marked "823.2"	823. 43
Farmer Center, 1 mile west by 2 miles north of, northwest corner of crossroads; iron post stamped "818"	818. 122
Farmer Center, 1 mile west by 1 mile north of, west side of crossroads, on south end of east abutment of small iron bridge; chiseled square, marked "780.9"	781. 10
Farmer Center, 1 mile west of, northeast corner of crossroads; spike in base of fence post, marked "767.3"	767. 57
Farmer Center, 1 mile west by 1 mile south of, southwest corner of T road west; iron post stamped "747"	747. 024
Farmer Center, 1 mile west by 2 miles south of, southwest corner of crossroads; spike in base of telephone pole, marked "744.9"	745. 16
Farmer Center, 1 mile west by 3 miles south of, at crossroads on Lost Creek, on south wing wall of west abutment of steel bridge over Lost Creek; chiseled square, marked "741.6"	741. 88
Mark Center, 2.5 miles north by 1 mile west of, southeast corner of crossroads; iron post stamped "732"	731. 909
Mark Center, 1 mile west by 1.5 miles north of, southwest corner of T road west; painted square on south end of drain pipe, marked "722.8"	723. 08
Mark Center, 1 mile west by 0.5 mile north of, southeast corner of crossroads; spike in base of fence post, marked "726.0"	726. 27
Mark Center, 0.5 mile north of, southwest corner of crossroads; spike in base of fence post, marked "723.5"	723. 71
Mark Center, 180 feet north of railroad, southeast corner of cross streets, opposite post office; iron post stamped "721"	721. 471
Mark Center, 0.5 mile south of, southeast corner of crossroads; spike in base of telephone pole, marked "720.4"	720. 67
Mark Center, 1.5 miles south of, southwest corner of crossroads; spike in base of telephone pole, marked "720.8"	721. 05
Mark Center, 2.5 miles south of, crossroads on Defiance-Paulding County line, on north wing wall of west abutment of small iron bridge over Gordon Creek; chiseled square, marked "712.4"	712. 61
Point 1.5 miles south of Melbern west along highways to point 1.5 miles east of Edgerton.	
Edgerton, 4 miles southeast of, northeast corner of schoolhouse (district No. 10), northeast corner of crossroads; spike in base of fence post, marked "853.8"	854. 02
Edgerton, 3 miles east of, southwest corner of crossroads; spike in base of telephone pole, marked "873.5"	873. 59

Point 0.5 mile north of Mark Center east along highway to point 1.5 miles northwest of Sherwood.

Mark Center, 0.5 mile north by 1 mile east of, northeast corner of crossroads; spike in base of fence post, marked "725.4"	Feet. 725.58
Mark Center, 0.5 mile north by 2 miles east of, northwest corner of crossroads; spike in base of telephone pole, marked "721.7"	721.78

Point 1.5 miles south of Pulaski southwest along highways to Bryan.

Pulaski, 1 mile south of, at northeast corner of crossroads; spike in telephone pole	755.00
Pulaski, 1.5 miles south of, on northwest corner of bridge over Beaver Creek, in fourth plank of bridge; copper nail painted "T. B. M. 729.0" ..	729.08

Point 4.5 miles southeast of Hicksville north along highway to point 2.5 miles southwest of Blakeslee.

Hicksville, 4.5 miles south of, at northwest corner of crossroads on Paulding-Defiance County line; iron post stamped, "730 OHIO"	729.903
Hicksville, 3.5 miles southeast of, at north side of east-west road, opposite T road south, schoolhouse on southeast corner of road; spike in base of fence post, marked "729.9"	730.03
Five Points, 2.5 miles southeast of Hicksville, in southwest corner of fence; spike in base of fence post, marked "731.6"	731.74
Hicksville, 2 miles southeast of, corner of secs. 22, 23, 26, and 27, northeast corner of crossroads; iron post stamped "731 OHIO"	731.260
Hicksville, 2 miles east of, at center of highway at railroad crossing; top of north rail, marked "750.3"	750.40
Hicksville, 2 miles east of, at northeast corner of crossroads on Brunersburg road; nail in top of stump of telephone pole, marked "743.7"	743.84
T. 4 N., R. 1 E., corner of secs. 10, 11, 14, and 15, southwest corner of crossroads; chiseled square in base of concrete fence post, marked "751.7" ..	751.82
Hicksville, 2 miles northeast of, southwest corner of crossroads on Bryan road; spike in base of telephone pole, marked "754.3"	754.44
T. 4 N., R. 1 E., corner of secs. 2, 3, 10, and 11, southwest corner of crossroads; iron post stamped "764 OHIO"	763.713
T. 5 N., R. 1 E., corner of secs. 26, 27, 34, and 35, northeast corner of crossroads; spike in base of fence post, marked "808.6"	808.73
T. 5 N., R. 1 E., corner of secs. 22, 23, 26, and 27, southeast corner of crossroads; iron post stamped "841 OHIO"	840.782
T. 5 N., R. 1 E., corner of secs. 23, 24, 25, and 26, northwest corner of crossroads; spike in base of telephone pole, marked "806.9"	807.03
T. 5 N., R. 1 E., northwest corner of sec. 24, southeast corner of crossroads, 400 feet southeast of Chapman School; spike in base of telephone pole, marked "838.7"	838.88
T. 5 N., R. 1 E., northwest corner of sec. 13, southeast corner of crossroads; 15 feet north by 30 feet east to center of bridge; iron post stamped "832 OHIO"	832.594
T. 5 N., R. 1 E., sec. 11, east side of north-south road, 50 feet north of center of T road west; spike in base of telephone pole, marked "850.5"	850.63
T. 5 N., R. 1 E., southwest corner of sec. 1, northeast corner of T road east; spike in base of telephone pole, marked "842.2"	842.36
Edgerton, 1.5 miles east by 1.5 miles south of, on Defiance-Williams County line, southeast corner of crossroads; spike in base of telephone pole, marked "869.7"	869.84
Edgerton, 1.5 miles east by 0.5 mile south of, southeast corner of T road east; iron post stamped "849 OHIO"	849.058

Edgerton, 1.5 miles east of, 0.4 mile south of Mina, southeast corner of crossroads; spike in base of telephone pole, marked "850.231"	Feet. 850.40
Edgerton, 1.5 miles east of, southeast corner of T road south; painted square on east end of cast-iron drain pipe, marked "847.3"	847.47
Edgerton, 1 mile east of, inside west-bound track at railroad crossing; top of north rail at center of highway, marked "850.1"	850.23
Edgerton, east side of railroad crossing; iron post stamped "838 OHIO" ..	837.982
Edgerton, 1 mile east by 1.25 mile north of, northeast corner of T road east; spike in base of 18-inch fence post, marked "828.1"	828.26
Blakeslee, 2.5 miles south of, at southwest corner of crossroads, 240 feet northwest to center of Denmark Bridge; spike in base of fence post, marked "830.6"	830.69
Blakeslee, 2.3 miles south by 0.5 mile west of, northeast corner of crossroads; spike in base of telephone pole, marked "836.4"	836.52
Edgerton, 3 miles north of, northeast corner of crossroads, 100 feet northeast to schoolhouse (district No. 2); iron post stamped "Prim. Trav. Sta. No. 21, 1905 852"	852.597

BUTLER QUADRANGLE.

Point 3.5 miles northwest of Antwerp north along State line via Hicksville to point 1 mile east of Edgerton.

Antwerp, 5 miles north by 3 miles west of, at southwest corner of Defiance County, at T road; spike in base of fence post	745.83
Hicksville, 2.8 miles southwest of, at road crossing, on State line; iron post stamped "764"	764.061
Hicksville, 1.6 miles southwest of, at road crossing; south end of cement culvert	767.29
Hicksville, southwest corner of school grounds; iron post stamped "766" ..	766.276
Hicksville, 1.7 miles northwest of, at road crossing; spike in base of telephone pole	800.12
Hicksville, 3 miles northwest of, at State line, Hicksville Township, northwest corner of sec. 7; iron post stamped "854"	853.776
Hicksville, 3.5 miles north by 2 miles west of, west side of sec. 31, Milford Township, at T road; spike in base of fence post	841.05
Hicksville, 4 miles north by 2 miles west of, at T road, southwest corner of sec. 30, Milford Township; spike in east end of culvert floor	836.60
Hicksville, 5 miles north by 2 miles west of, at T road, northwest corner of sec. 30, Milford Township; spike in base of telephone pole	835.92
Hicksville, 5 miles north by 1 mile west of, at road crossing, southeast corner of sec. 19, Milford Township; iron post stamped "839"	838.832
Hicksville, 6 miles north by 1 mile west of, at road crossing, southeast corner of sec. 18, Milford Township; spike in base of telephone pole	835.53
Edgerton, 2.5 miles south by 1.5 miles west of, at crossroads, north side of sec. 8, Milford Township; spike in base of telephone pole	819.96
Edgerton, 1.8 miles south by 1.5 miles west of, at T road, sec. 5, Milford Township; iron post stamped "820"	819.759
Edgerton, 1.5 miles south by 1.5 miles west of, north side of sec. 5, at T road, Milford Township; spike in base of fence post	829.11
Edgerton, 1.5 miles west of, at road crossing, south side of sec. 29, St. Joseph Township; spike in base of telephone pole	852.44

Point 5 miles northwest of Edgerton south along State line to point 2 miles southwest of Edgerton.

Edgerton, 1.8 miles north by 3 miles west of, at northwest corner of T road west; chiseled square on concrete foundation of fence post, marked "865.490".....	Feet. 865.37
Edgerton, 1 mile north by 3 miles west of, at southeast corner of T road east, 100 feet northwest to 2-foot elm tree; iron post stamped "851 OHIO".....	850.819
Edgerton, 1 mile north by 1.5 miles west of, at southeast corner of cross-roads; spike in base of fence post, marked "844.5".....	844.35
Edgerton, 0.5 mile north by 1.5 miles west of, at southwest corner of cross-roads; spike in base of fence post, marked "851.6".....	851.44

CELINA QUADRANGLE.

Point 2 miles south of Celina north along highways via Celina and Mendon to point 1 mile south of Egin.

Celina, 2.2 miles south of, at Y road, on northwest corner of stone abutment of iron bridge over Coldwater Creek; chiseled circle.....	878.28
Celina, 1.8 miles south of, 100 feet from edge of reservoir, at T road, on southeast corner of iron bridge floor; paint mark (circle).....	871.70
Celina, west side of Main Street at railroad crossing, north side of railroad; iron post stamped "875".....	874.720
Celina, northeast side of town, at corner of Wayne Street and pike leading to Mendon, in front of Seymour Craig's residence; spike in telephone pole.....	890.82
Celina, 3 miles northeast of, at Y road, on south end of iron culvert under highway running east-west; paint mark.....	878.70
Celina, 3.5 miles northeast of, in northwest corner of bridge floor at Y road; copper nail.....	869.58
Celina, 4.7 miles northeast of, at road crossing, on west side of north-south highway; copper nail in root of large elm tree.....	851.62
Celina, 6.4 miles northeast of, in front of Fairview Church, at road crossing; iron post stamped "848".....	847.752
Celina, 7.7 miles northeast of, at road crossing in front of Mount Zion Church; spike in base of telephone pole.....	834.84
Celina, 8.2 miles northeast of, 0.5 mile north of Mount Zion Church, 50 feet east of north-south highway at road crossing; spike in base of fence post.....	833.92
Celina, 8.7 miles northeast of, at T road, in front of W. M. Webb's residence; spike in base of fence post.....	828.44
Mendon, 2.2 miles south of, at T road; iron post stamped "830".....	829.566
Mendon, 1.5 miles south of, at road crossing, at Twelvemile Creek school, southwest corner of stone abutment of iron bridge over Twelvemile Creek; chisel mark.....	817.19
Mendon, 4.8 miles south of, at T road, in front of W. A. Bedell's residence; spike in base of telephone pole.....	833.37
Mendon, 0.5 mile north of, northeast corner of road crossing, 600 feet north of iron bridge over St. Marys River, in corner of field; iron post stamped "805".....	804.965
Mendon, 1.3 miles northwest of, on west side of road at T road; spike in base of fence post, marked "810".....	810.20
Mendon, 1.8 miles northwest of, in front of Anderson Bethel Church, on west side of road at road crossing; spike in base of fence post.....	847.70
Mendon, 2.3 miles northwest of, at road crossing, on west side of road, 300 feet south of E. N. Drake's residence; spike in base of fence post.....	856.40

Mendon, 3.3 miles northwest of, on southeast corner of stone abutment of culvert, 300 feet west of Wm. Morbaugh's residence at road crossing; chisel mark.....	Feet. 827. 98
Mendon, 3.8 miles northwest of, at road crossing, on west side of road, in front of W. L. Bolton's residence, 0.2 mile east of tile works; spike in base of fence post.....	822. 24
Mendon, 4 miles northwest of, at T road, 40 feet southeast of southeast corner of iron bridge over creek; iron post stamped "808".....	808. 091
Mendon, 4 miles north of, at southwest corner of west abutment of cement culvert under east-west highway at road crossing, 0.5 mile north of Jas. Hickernell's residence.....	811. 43
Elgin, 1.5 miles southwest of, on south side of east-west highway at road crossing, about 1,200 feet west of John Goodwin's residence; spike in base of fence post.....	816. 39
Elgin, 1 mile south of, southwest corner of road crossing; south banister of cement culvert.....	818. 51
Mount Zion Church northwest along highways via Mercer to Rockford, thence south and east to point 0.25 mile southwest of Triangle.	
Celina, 8.2 miles northeast of, 0.5 mile north of Mount Zion Church, 50 feet east of highway, at road crossing; spike in base of fence post.....	833. 92
Mercer, 1.6 miles southeast of, in front of James Hasis residence at Y road; spike in base of telephone pole.....	828. 40
Mercer, 0.5 mile southeast of, at road crossing, on northeast corner of stone culvert under north-south pike; chisel mark.....	816. 72
Mercer, northwest side of village, at road crossing, on north side of highway, about 100 feet southeast of iron bridge; iron post stamped "805".....	805. 104
Mercer, 1.1 miles northwest of, at north side of highway, in front of Chas. Hayes's residence, at road crossing; spike in base of telephone pole....	811. 46
Rockford, 2.4 miles southeast of, 600 feet west of residence, on north side of highway at Y road; spike in base of fence post.....	814. 83
Rockford, 1.7 miles southeast of, on south side of highway, in front of F. S. Foster's residence at Y road; spike in base of telephone pole.....	804. 18
Rockford, north end of Main Street, 300 feet south of iron bridge over St. Mary's River; iron post stamped "807".....	806. 842
Rockford, 1.2 miles south of, at southwest corner road crossing; spike in base of telephone pole.....	806. 47
Rockford, 2.6 miles south of, on east side of north-south highway in front of Alfred Custer's residence at road crossing; iron post stamped "829".....	828. 707
Rockford, 4.3 miles south of, in front of Hopewell Quaker Church; at road crossing; spike in base of fence post.....	840. 70
Rockford, 5.7 miles south of, on east side of north-south pike at road crossing, at St. Johns Lutheran Church; spike in base of fence post.....	856. 86
Rockford, 6.7 miles south of, at Shively, about 70 feet northwest of store, at road crossing; iron post stamped "858".....	857. 826
Rockford, 7.2 miles south of, at Hope Evangelical Church, 0.5 mile south of Sted'ke, at road crossing; spike in base of telephone pole.....	862. 69
Rockford, 8.3 miles south of, in front of Miller Church, on west side of north-south highway crossroads; spike in base of fence post.....	873. 75
Rockford, 8.8 miles south of, on west side of north-south highway at T road, about 0.8 mile north of Buck School; spike in base of fence post.....	902. 43
Rockford, 9.5 miles south of, about 60 feet southwest of Buck School, at road crossing; iron post stamped "885".....	885. 225
Rockford, 10.3 miles south of, 1 mile south of Buck School, in middle of crossroads; top of rock.....	872. 72

Rockford, 11.4 miles south of, at road crossing, 0.5 mile north of Union School; spike in base of fence post.....	Feet. 872. 78
Rockford, 11.9 miles south of, at road crossing, on west side of highway, 200 feet north of Union School; spike in base of fence post	882. 84
Rockford, 12.7 miles south of, 1 mile south of Union School, at road crossing; iron post stamped "887"	887. 070
Triangle, 2.8 miles west of, at road crossing, in front of Bennett School; spike in base of telephone pole.....	889. 43
Triangle, 1.8 miles west of, at road crossing, 1 mile east of Bennett School; spike in base of telephone pole.....	877. 46
Triangle, 0.6 mile southwest of, on south side of east-west highway at Y road; spike in base of fence post.....	872. 44
Point 12.7 miles southwest of Rockford north and east along highways to Rockford.	
Rockford, 12.7 miles south of, at road crossing, 1 mile south of Union School; iron post stamped "887".....	887. 070
Triangle, 5 miles west of, about 100 feet northwest of Crouch School, at road crossing; spike in base of fence post.....	890. 67
Erastus, 1 mile east of, 1 mile west of Crouch School, at road crossing; spike in base of fence post.....	887. 50
Erastus, at road crossing, in middle of town; southeast corner of cement watering trough.....	894. 78
Erastus, 1 mile west of, at road crossing; iron post stamped "890".....	889. 516
Erastus, 1 mile west by 1 mile north of, in east end of culvert floor under north-south highway at T road; spike.....	865. 39
Wabash, 1.25 miles east by 0.5 mile south of, at road crossing, south end of iron culvert under east-west highway.....	876. 85
Wabash, 1.25 miles east of, at road crossing, at stone culvert under north-south highway; top of east end of arch.....	867. 33
Durbin, 1 mile west of, at road crossing; iron post stamped "872".....	871. 764
Durbin, 1 mile west by 0.5 mile north of, on north side of highway at road crossing; spike in base of fence post.....	873. 70
Durbin, 1 mile west by 1.5 miles north of, on east side of highway at T road; spike in base of telephone pole.....	869. 72
Durbin, 1 mile west by 2.5 miles north of, at southeast corner of road crossing; spike in base of fence post.....	868. 48
Durbin, 1 mile west by 3.5 miles north of, at road crossing; iron post stamped "Prim. Trav. Sta. No. 22, 1909, 857".....	857. 481
Chattanooga, 3 miles east by 0.5 mile south of, at road crossing at Burthwell; spike in base of telephone pole.....	841. 76
Chattanooga, 3 miles east of, on north side of road at crossing; spike in base of fence post.....	842. 13
Chattanooga, 3 miles east by 1.5 miles north of, on east side of north-south road and south side of east-west road at crossing; spike in base of fence post.....	828. 59
Chattanooga, 3 miles east by 2 miles north of, at road crossing; iron post stamped "819".....	819. 346
Chattanooga, 3 miles east by 3 miles north of, at T road, in front of T. G. Spry's residence; spike in base of fence post.....	811. 90
Rockford, 4.5 miles west of, at road crossing, in front of M. C. Tickle's residence; spike in base of fence post.....	816. 79
Rockford, 4.5 miles west by 0.5 mile north of, about 0.8 mile northwest of M. C. Tickle's residence, 0.25 mile south of Geo. Hill's residence; iron post stamped "819".....	818. 740

Rockford, 5.2 miles northwest of, southwest corner of crossroads, at Zion Church and Winkler School, in northwest corner of platform of iron pump; nail marked "812".....	Feet. 812. 17
Rockford, 5 miles northwest of, 0.25 mile east of Winkler School, at road crossing; spike in base of telephone pole.....	807. 75
Rockford, 5.5 miles northwest of, at T road, in front of Henry King's residence; spike in base of fence post.....	801. 40
Rockford, 6.6 miles northwest of, at Y road, about 600 feet southeast of Maplewood farm; iron post stamped "801".....	801. 346

Stedcke west along highways to point 4 miles northwest of Durbin.

Stedcke, 1 mile west of, at Hopewell School (district No. 8), at road crossing; spike in base of fence post.....	866. 42
Stedcke, 2 miles west of, at road crossing; spike in base of fence post.....	864. 68
Stedcke, 3 miles west of, 100 feet southeast of Center Church, at road crossing; spike in base of telephone pole.....	864. 87

Point 1 mile west of Erastus along highways 1.8 miles.

Erastus, 1.6 miles west of, southwest corner of T road south; chiseled square on west end of stone drain, marked "873.1".....	873. 10
Erastus, 2.2 miles west of, southwest corner of crossroads; chiseled square on west end of stone drain, marked "885.6".....	885. 60

Fram point 4 miles northwest of Mandon to point 2.8 miles south of Van Wert.

Van Wert, 10.8 miles south of, on county line, at road crossing near Wesley Chapel; spike in base of fence post.....	816. 07
Van Wert, 9.8 miles south of, at T road, in front of schoolhouse (district No. 9); spike in base of fence post.....	802. 32

Schumm south and west along highways to point 5 miles northwest of Rockford.

Schumm, 1 mile south of, northeast corner of T road north; spike in base of fence post, marked "809.7".....	809. 99
Schumm, 1 mile south by 0.5 mile west of, on north side of road at T road south; spike in base of fence post, marked "809.4".....	809. 69
Willshire, 2.5 miles southeast of, on Rockford and Fort Wayne road, at northeast corner of road forks; spike in base of fence post, marked "798.9".....	794. 22
Willshire, 2.25 miles southeast of, southwest corner of road forks; spike in base of fence post, marked "797.7".....	798. 01

Rockford north along highways 3.5 miles.

Rockford, 1.4 miles north of, at northeast corner of T road east; spike in base of fence post, marked "836.7".....	836. 76
Rockford, 1.6 miles north of, at T road east crossing railroad; top of rail, painted "844.2".....	844. 22
Rockford, 2.4 miles north of, at northeast corner of crossroads; spike in base of corner fence post, marked "823.8".....	823. 81
Rockford, 3.5 miles north of, 2 miles south of Ohio City, in northwest corner of crossroads; spike in base of telephone pole, painted "830.9".....	830. 96

CONTINENTAL QUADRANGLE.

Point 4 miles west of Melrose to Broughton.

Hodges, 0.2 mile north by 0.2 miles east of, at northeast corner of crossroads; spike in base of telephone pole, marked "720.5".....	720. 54
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Point 2.5 miles northeast of Emmett east to point 4 miles northwest of Junction.

Emmett, 0.5 mile north by 3 miles east of, at northeast corner of crossroads; spike in base of telephone pole, marked "717.1"	Feet. 716.79
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DEVIANCE QUADRANGLE.

Point 2.6 miles southwest of Stryker.

Stryker, 2.6 miles southwest of, on fourth plank from south end of iron bridge over Tiffin River; circle, painted "T. B. M. 701.3"	701.34
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HALLS CORNERS QUADRANGLE.

Point 2 miles north of Antwerp along highways to point 5 miles northwest of Antwerp.

Antwerp, 2 miles north by 1 mile west of, at northwest corner of sec. 21, Carryall Township, at T road; iron post stamped "739"	739.287
Antwerp, 2 miles north by 2.5 miles west of, at road crossing, south side of sec. 18, Carryall Township; spike in base of telephone pole	741.56
Antwerp, 2 miles north by 3 miles west of, at road crossing on State line; spike in base of telephone pole	740.63
Antwerp, 3 miles north by 3 miles west of, at southwest corner of sec. 7, Carryall Township, on State line; iron post stamped "744"	744.083
Antwerp, 4 miles north by 3 miles west of, northwest corner of sec. 7, Carryall Township, at T road on State line; southwest corner of abutment of cement bridge	742.47

Antwerp west along highways to State line, thence south along State line to point 1
mile south of Baldwin.

Antwerp, 1 mile west of, at railroad water tank; circle on northwest corner of stone foundation, painted "739.8"	739.87
Antwerp, 1.8 miles southwest of, at road crossing; top of south rail of Wa- bash R. R., painted "741.0"	741.07
Antwerp, 2 miles southwest of, at T road west, on concrete wall south end of culvert; circle painted "T. B. M. 737.9"	737.99
Antwerp, 3 miles southwest of, at crossroads, 40 feet south of crossroads; iron post stamped "743 OHIO"	743.203
Antwerp, 4 miles southwest of, at crossroads on Indiana State line, in fence post on south bank of east-west canal; spike painted "743.0"	743.15
Antwerp, 4 miles southwest of, at State line road crossing; top of south rail of Wabash R. R., painted "T. B. M. 745.9"	746.05
Antwerp, 3.5 miles west by 3 miles south of, at northeast corner of T road east; iron post stamped "746 OHIO"	746.232
Antwerp, 3.5 miles west by 4 miles south of, at northeast corner of T road east; spike in fence post, painted "746.8"	746.96
Antwerp, 3.5 miles west by 5 miles south of, at northeast corner of T road east; spike in telephone pole, painted "750.8"	750.96
Payne, 4 miles west by 1 mile north of, at T road east, 40 feet north of T on State Line road; iron post stamped "753 OHIO"	753.069
Payne, 4 miles west of, 10 feet east of center of road at railroad crossing; top of south rail, painted "T. B. M. 758.960"	758.12
Payne, 4 miles west by 1 mile south of, 100 feet north of T road east, on southwest wing wall of small bridge; circle painted "757.3"	757.50
Payne, 4 miles west by 2 miles south of, at northeast corner of T road east; iron post stamped "763 OHIO"	762.716

McGill, 1.5 miles west by 1 mile north of, 120 feet east of R. Hammer's residence, at southeast corner of T road east; spike in base of fence post, painted "T. B. M. 762.5"	Feet. 762.69
Baldwin, 1 mile south of, at northeast corner of T road east, 20 feet north by 15 feet east of west corner of secs. 30 and 31, T. 1 N., R. 1 E.; iron post stamped "Prim. Trav. Sta. No. 19, 1909 OHIO 768"	768.543

PAULDING QUADRANGLE.

Point 0.5 mile east of Latty south along highways to point 1 mile northeast of Scott.

Latty, 0.5 mile east of, at T road west; iron post stamped "729 OHIO"	729.512
Latty, 0.5 mile east by 0.5 mile south of, at crossroads, in southeast wing of small iron bridge, 20 feet north of crossroads; top of bolt, painted "727.5" and marked with circle	727.51
Latty, 0.5 mile east by 1.5 miles south of, on southwest wing wall of bridge over Blue Creek; chiseled circle, painted "729.4"	729.51
Latty, 0.5 mile east by 2.5 miles south of, at northeast corner of crossroads; iron post stamped "732 OHIO"	732.272
Latty, 0.5 mile east by 3.5 miles south of, 80 feet south of United Brethren Church, at southeast corner of crossroads; spike in telephone pole, painted "735.1"	735.20
Scott, 0.5 mile east by 1 mile north of, southeast corner of crossroads; iron post stamped "737 OHIO"	736.891

Paulding west and south along highways via Briceton to point 1 mile east of Tipton.

Paulding, 90 feet south of station, at street crossing; top of east rail, painted "T. B. M. 724.3"	724.30
Paulding, 0.25 mile west of, at T road intersection; spike in electric light pole, painted "T. B. M. 727.2"	727.16
Paulding, 2.5 miles west of, at southeast corner of crossroads, quarter section corner; iron post stamped "Prim. Trav. Sta. No. 45, 1910, OHIO 731"	730.839
Paulding, 3 miles west of, at northwest corner of crossroads; spike in telephone pole, painted "T. B. M. 731.864"	731.854
Paulding, 3.25 miles southwest of, 80 feet northwest of district No. 1 school, northwest corner of crossroads; spike in corner fence post, painted "T. B. M. 730.6"	730.64
Briceton, 1.5 miles north of, at southwest corner of crossroads; spike in telephone pole, painted "T. B. M. 731.4"	731.42
Briceton, 0.5 mile north of, at southwest corner of crossroads, 80 feet south of Briceton School; spike in corner fence post, painted "T. B. M. 734.9"	734.92
Briceton, 30 feet north of railroad at crossing; iron post stamped "739 OHIO"	738.786
Briceton, 0.5 mile south of, at southwest corner of crossroads; spike in telephone pole, painted "737.0"	737.06
Briceton, 0.5 mile south by 1 mile west of, at southeast corner of T road south; spike in corner fence post, painted "T. B. M. 740.9"	740.98
Briceton, 1.5 miles south by 1 mile west of, at southeast corner of crossroads; spike in telephone pole, painted "T. B. M. 740.7"	740.71
Briceton, 2.5 miles south by 1 mile west of, at northwest corner of crossroads; iron post stamped "745 OHIO"	744.565
Briceton, 3.5 miles south by 1 mile west of, at southeast corner of crossroads; spike in telephone pole, painted "T. B. M. 741.5"	741.59
Tipton, 1 mile east of, 100 feet south of crossroads; top of north rail, painted "747.6"	747.70

Broughton west and north along highways via Paulding to Emmett, thence to point 2.5 miles northeast of Emmett.

	Feet.
Broughton, 0.2 mile north of, southeast corner of crossroads, at northwest corner of M. E. Church; iron post stamped "726"	725.998
Broughton, 0.2 mile north by 1 mile west of, at northeast corner of crossroads; spike in base of fence post, marked "727.4"	727.46
Latty, 0.5 mile east by 0.5 mile north of, northeast corner of crossroads; spike in base of post, marked "729.503"	729.54
Paulding, 0.3 mile east by 2 miles south of, on west side of road at T road east and lane west, on top of south wall of concrete culvert; chiseled square marked "728.5"	728.52
Paulding, 0.3 mile east by 1.5 miles south of, northwest corner of T road west, on north wall of concrete culvert; chiseled square, marked "729.1"	729.07
Paulding, 0.3 mile east of, on Charloe road, southwest corner of crossroads; spike in base of telephone pole, marked "724.51"	724.50
Paulding, 0.25 mile east of courthouse, northwest corner of Perry Street and Junction road, 500 feet east of Perry Street bridge; iron post stamped "719"	719.143
Paulding, northwest corner of Perry Street and Emmett pike; chiseled square on stone curbing, marked "720.840"	720.81
Paulding, 1.6 miles northeast of, northeast corner of crossroads; chiseled square on top of concrete culvert, marked "724.7"	724.64
Paulding, 2 miles northeast of, northwest corner of crossroads; spike in base of telephone pole, marked "723.4"	723.33
Paulding, 3 miles northeast of, northeast corner of crossroads; spike in base of telephone pole, marked "722.3"	722.22
Paulding, 4.2 miles northeast of, on south bank of east-west canal, north side of road and east side of private road at road forks; iron post stamped "721"	721.386
Emmett, 1.5 miles south of, northeast corner of T road east; spike in base of telephone pole, marked "721.7"	721.56
Emmett, 0.5 mile north of, northwest corner of crossroads at schoolhouse; iron post stamped "718"	718.167
Emmett, 0.5 mile north by 1 mile east of, northeast corner of crossroads; spike in base of fence post, marked "717.8"	717.66
Emmett, 0.5 mile north by 2 miles east of, southwest corner of crossroads; chiseled square on concrete drain, marked "718.62"	718.40

Point 3 miles west of Paulding north along highways to point 4.7 miles northeast of Antwerp.

Paulding, 3 miles west of, in northwest corner of crossroads; spike in base of telephone pole, marked "731.864"	731.854
Paulding, 3 miles west by 1 mile north of, west side of crossroads, in southeast corner of small wooden bridge; painted spike head, marked "730.6"	730.60
Paulding, 3 miles west by 2 miles north of, at southeast corner of crossroads, on north end of concrete culvert; chiseled square, marked "730.2"	730.19
Antwerp, 4.7 miles east by 1 mile south of, 50 feet southeast of crossroads; iron post stamped "731"	731.057
Antwerp, 4.7 miles east of, southeast corner of crossroads, on south end of concrete culvert; chiseled square, marked "728.1"	728.12

Point 3 miles south of Mark Center southwest along highway to point 4.7 miles northeast of Antwerp.

Mark Center, 3 miles south of, northeast corner of crossroads, southwest corner of Dunakin's residence; iron post stamped "722"	721.825
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Mark Center, 3 miles south by 1 mile southwest of, on north bank of Maumee River, on south side of road, in road forks; spike in base of mailbox post, marked "721.9"	Feet. 722. 13
Mark Center, 3 miles south by 1.8 miles southwest of, 100 feet southwest of road forks, northeast corner of small wooden bridge; top of iron bolt painted white, marked "698.7"	698. 97
Cecil, 1.6 miles west by 0.7 mile north of, on south side of road at forks; spike in base of telephone pole, marked "718.8"	718. 78
Cecil, 2.5 miles west by 0.25 mile north of, on north side of road at T road south; spike in base of corner fence post, marked "720.5"	720. 52
Cecil, 2.5 miles west by 0.5 mile south of, northeast corner of crossroads; iron post stamped "723"	723. 429
Antwerp, 4.7 miles northeast of, north bank of canal, chiseled square on south wall of concrete culvert over canal, marked "726.1"	726. 05
Point 3 miles southeast of Antwerp south along highways via Payne to crossroads at St. Paul Church.	
Antwerp, 3 miles southeast by 1 mile east of, northwest corner of crossroads; chiseled square on concrete culvert, marked "737.2"	737. 27
Antwerp, 3 miles southeast of, northeast corner of crossroads on Payne pike, in southwest corner of school yard; iron post stamped "Prim. Trav. Sta. No. 44, OHIO 1910 737"	737. 541
Antwerp, 4 miles southeast of, 3 miles north of Payne, 50 feet southeast of crossroads, in northwest corner of field; iron post stamped "Prim. Trav. Sta. No. 2, 1905, 743"	742. 860
Payne, 2 miles north of, northwest corner of crossroads; spike in base of telephone pole, marked "744.3"	744. 45
Payne, 1 mile north of, northeast corner of crossroads; spike in base of telephone pole, marked "746.7"	746. 88
Payne, 1.6 miles northeast of, southwest corner of crossroads; spike in base of telephone pole, marked "743.9"	744. 04
Payne, 1.25 miles northeast of, northwest corner of road forks, at north end of gate to field; iron post stamped "743"	743. 528
Payne, 0.8 mile east of, at road crossing; top of north rail, marked "747.1" ..	747. 29
Payne, northeast corner of Main and Marion streets; chiseled square on stone curbing, marked "750.5"	750. 66
Payne, 1.1 miles south of, southeast corner of crossroads; spike in base of fence post, marked "750.0"	750. 12
Payne, 2.2 miles south of, northeast corner of crossroads; iron post stamped "754"	753. 838
Payne, 3.2 miles south of, southwest corner of crossroads; chiseled square on south wall of concrete culvert, marked "756.3"	756. 51
Batson, 1 mile east of, southwest corner of crossroads; chiseled square on south wall of concrete culvert, marked "758.2"	758. 49
Batson, 1 mile east of, at road crossing; top of south rail, marked "760.0" ..	760. 33

Antwerp north along highways to Erter schoolhouse.

Antwerp, 100 feet east of Wabash R. R. station; top of south rail of main track	733. 3
Antwerp, 1.3 miles north of, north end of bridge over Maumee River; copper nail in circle painted "724.4"	724. 44
Antwerp, 2 miles north of, northwest corner of crossroads, 100 feet northwest of Stinger School (district No. 2); spike in telegraph pole, painted "735.8"	735. 87

Antwerp, 2.5 miles north by 1 mile east of, at northeast corner of T road east; spike in base of fence post.....	Feet. 734. 33
Carryall Township, corner of secs. 10, 11, 14, 15, northwest corner of crossroads, 3 feet west of fence corner; iron post stamped "730 OHIO".....	729. 624
Carryall Township, corner of secs. 11, 12, 13, and 14, northeast corner of crossroads; spike in base of 6-inch elm tree.....	730. 62
Carryall Township, corner of secs. 1, 2, 11, and 12, northwest corner of crossroads, 75 feet southeast of Erter schoolhouse; spike in telephone pole...	722. 83
Point 0.5 mile south of Knoxdale south along highways to point 2.5 miles southeast of Antwerp.	
Knoxdale, 0.5 mile south of, on south side of road at T road north; spike in base of fence post, marked "728.3".....	728. 36
Antwerp, 2.7 miles northeast of, 50 feet south of crossroads, in bed of canal; iron post stamped "728".....	728. 214
Antwerp, 1.7 miles northeast of, on north end of west wall of concrete culvert over canal at crossroads; chiseled square marked "729.9".....	729. 93
Antwerp, 0.7 mile northeast of, southeast corner of crossroads; spike in base of telephone pole, marked "735.4".....	735. 52
Antwerp, at forks of Canal road and Payne pike, 140 feet south of center of forks, 10 feet west of Payne pike; iron post stamped "732".....	732. 140
Antwerp, 1 mile southeast of, northeast corner of crossroads; spike in base of telephone pole, marked "736.3".....	736. 40
Antwerp, 2 miles southeast of, northeast corner of crossroads; spike in base of telephone pole, marked "734.6".....	734. 71
St. Paul Church, 6 miles north of Convoys, east along highway to point 1.5 miles northeast of Scott.	
Scott, 7.5 miles west of, 6 miles north of Convoys, 80 feet northeast of St. Paul Church, at crossroads; iron post stamped "Prim. Trav. Sta. No. 18, Ohio 1909 759".....	759. 541
Scott, 4.5 miles west by 1 mile north of, at southeast corner of crossroads, 100 feet southeast of Blue Creek Township school (district No. 6); painted circle on concrete wall culvert, painted "752.3".....	752. 51
Scott, 3.5 miles west by 1 mile north of, at northeast corner of crossroads; spike in telephone pole, painted "748.3".....	748. 42
Scott, 1 mile north by 2.5 miles west of, 150 feet east of crossroads, north side of road; iron post stamped "747 OHIO".....	746. 653
Scott, 1 mile north by 1.5 miles west of, at northeast corner of crossroads; spike in telephone pole, painted "744.7".....	744. 82
Scott, 0.5 mile west by 1 mile north of, on west side of crossroads; chiseled circle in stone culvert, painted "740.5".....	740. 65
Scott, 0.5 mile east by 1 mile north of, at southeast corner of crossroads; iron post stamped "737 OHIO".....	736. 891

ST. HENRY QUADRANGLE.

Point 1.5 miles south of Monteruma north along highway 2.2 miles.

Monteruma, 1.5 miles south of, 3.8 miles east of Coldwater, near center of N. $\frac{1}{2}$ sec. 6, T. 7 S., R. 3 E., in bridge seat at southwest corner of bridge over Beaver Creek; aluminum tablet stamped "886 ADJ 1905".....	885. 981
Monteruma, 2.2 miles northwest of, on north side of road running east-west at T road, in front of John Puthoff's residence; iron post stamped "877"...	877. 334

VAN WERT QUADRANGLE.

Point 9 miles south of Van Wert north along highway to point 2.5 miles northwest of Hoaglin.

Van Wert, 9 miles south of, at Erie R. R. crossing, about 3 miles southeast of Ohio City, on north side of track; iron post stamped "810"	Feet. 809. 639
Van Wert, 6.3 miles south of, at road crossing near Painter School; iron post stamped "809"	808. 923
Van Wert, 4.7 miles south of, at road crossing, in front of J. W. Nicodemus's residence; spike in base of telephone pole.....	801. 58
Van Wert, 3.5 miles south of, in front of Ed. Knodel's residence at T road; spike in base of fence post.....	802. 61
Van Wert, 2.2 miles southeast of, at trolley road crossing; iron post stamped "788"	787. 669
Van Wert, 10 feet north of northeast corner of courthouse; iron post stamped "786"	785. 759
Van Wert, 1.9 miles north of, at lane leading to Chas. Kesler's residence; copper nail in southeast corner of floor of iron bridge	764. 41
Van Wert, 2.4 miles northeast of, at road crossing; spike in base of telephone pole	764. 96
Van Wert, 3.2 miles northeast of, at road crossing, on southwest corner of stone abutment of iron bridge; chiseled circle.....	759. 86
Van Wert, 4.1 miles northeast of, in corner of school lot (subdistrict No. 1, Hoaglin Township), at road crossing; iron post stamped "756"	755. 953
Van Wert, 5.2 miles northeast of, on southwest corner of west abutment of iron bridge; chiseled circle.....	751. 78
Cavett, 1.5 miles east of, on southeast corner of stone culvert at Hoaglin Township school (district No. 6), at road crossing; chiseled circle.....	750. 03
Cavett, 1.5 miles east by 1 mile north of, at road crossing, in front of Grand Victory Evangelical Church; spike in base of telephone pole.....	747. 37
Scott, 1.5 miles east by 1 mile south of, at road crossing, in southwest corner of Foust School lot; iron post stamped "743"	742. 552
Scott, 2.5 miles east by 1 mile south of, at road crossing, 1 mile east of Foust School; spike in base of telephone pole	742. 57
Hoaglin, 2 miles north by 1 mile west of, at road crossing, in front of Hoaglin Township school (subdistrict No. 8); north end of iron culvert.....	737. 06
Van Wert northwest along highways via Convoy to point 1.8 miles northwest of Convoy.	
Van Wert, southeast corner of courthouse yard; chisel mark on top of stone wall; marked "785.926"	785. 97
Van Wert, at crossing of Ohio Electric Ry. and Cincinnati Northern R. R.; top of rail	783. 7
Van Wert, 1.6 miles northwest of, northwest corner of crossroads; spike in base of telephone pole, marked "785.1"	785. 12
Van Wert, 2.7 miles northwest of, southeast corner of crossroads; spike in base of telephone pole, marked "787.477"	787. 52
Van Wert, 3.8 miles northwest of, northeast corner of crossroads; iron post stamped "776"	776. 247
Van Wert, 5 miles northwest of, northwest corner of crossroads; spike in base of telephone pole, marked "779.3"	779. 38
Van Wert, 6.3 miles northwest of, northeast corner of T road north; spike in base of fence post, marked "784.1"	784. 13
Van Wert, 6.8 miles northwest of, southeast corner of T road south; spike in base of fence post, marked "787.9"	787. 87

Convoy, in center of town, northeast corner of crossroads; chiseled square on stone curbing, marked "784.1"	Feet. 784.18
Convoy, 0.2 mile north of center of town, west side of road, north end of gate to field; iron post stamped "784"	783.906
Convoy, 1 mile north of, northwest corner of crossroads; spike in base of telephone pole, marked "778.9"	778.96
Convoy, 1.8 miles north of, southwest corner of crossroads at Davis school-house; spike in base of telephone pole, marked "776.8"	776.83

Convoy south and west along highways to point 1 mile north of Schumm.

Convoy, 1 mile south of, northwest corner of crossroads; spike in base of fence post, marked "787.8"	787.91
Convoy, 2 miles south of, southwest corner of crossroads at schoolhouse; iron post stamped "Prim. Trav. Sta. No. 17, 1909 OHIO 792"	792.453
Convoy, 3.25 miles south of, northwest corner of crossroads; spike in base of fence post, marked "801.9"	802.05
Convoy, 4.5 miles south of, northeast corner of crossroads; spike in base of post, marked "806.2"	806.37
Convoy, 5.5 miles south of, southwest corner of crossroads; iron post stamped "809"	808.842
Convoy, 6.5 miles south of, northeast corner of crossroads; spike in base of post, marked "815.1"	815.24
Convoy, 7.5 miles south of, northwest corner of T road west; spike in base of mailbox post, marked "822.5"	822.70
Glenmore, 1 mile north by 0.5 mile west of, northwest corner of T road, north; spike in base of fence post, marked "820.4"	820.61
Wren, 2.5 miles east of, southeast corner of crossroads; iron post stamped "826"	826.171
Glenmore, 1.5 miles west of, southeast corner of crossroads, spike in base of fence post, marked "812.55"	812.80
Schumm, 1 mile north of, at southwest corner of crossroads; spike in base of fence post, marked "824.6"	824.84
Schumm, 0.5 miles north of northwest corner of T road west; spike in base of post, marked "832.8"	833.06
Schumm, at road crossing Toledo, St. Louis & Western Ry.; top of rail, marked "843.8"	844.1
Schumm, at Toledo, St. Louis & Western Ry. crossing, 25 feet north by 25 feet east of center; iron post stamped "Prim. Trav. Sta. No. 16, 1909, OHIO, 841"	841.629

Point 4.5 miles north of Rockford north along highways to point 1 mile north by 2.5 miles west of Scott.

Rockford, 4.5 miles north of, 1 mile south of Ohio City, at northeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 15, OHIO 1909, 829"	828.704
Ohio City, 0.25 mile west of, at road crossing, in northwest corner of crossing, 60 feet north of track; spike in telephone pole, painted "822.3"	822.39
Ohio City, 0.5 mile west of, at northwest corner of crossroads; nail in corner fence post, painted "822.5"	822.57
Ohio City, 0.5 mile west by 1 mile north of, at southwest corner of crossroads; spike in telephone guy pole, painted "816.1"	816.19
Ohio City, 0.5 mile west by 2 miles north of, 100 feet west of North Liberty Creek, in northwest corner of crossroads; iron post stamped "811 OHIO"	811.327

Ohio City, 3.5 miles north of, at northeast corner of crossroads; spike in base of corner fence post, painted "797.2"	Feet. 797. 33
Ohio City, 4 miles north of, at northeast corner of crossroads, 150 feet southeast of Pleasant Township school (subdistrict No. 4), spike in telephone pole, painted "796.2"	796. 33
Ohio City, 5 miles north of, 3 miles southwest of Van Wert, on section line, 400 feet north of J. R. Kreider's residence; iron post stamped "792 OHIO"	791. 682
Van Wert, 2.25 miles west of, at northeast corner of crossroads; spike in fence post, painted "788.9"	789. 06
Van Wert, 2.25 miles west of, at northeast corner of crossroads; spike in base of corner fence post, painted "779.4"	779. 55
Van Wert, 2.7 miles northwest of, southeast corner of crossroads; spike in base of telephone pole, painted "787.5"	787. 52
Van Wert, 2.5 miles northwest of, at road crossing 200 feet south of district schoolhouse; top of south rail of east bound track, painted "777.3"	777. 43
Van Wert, 2.25 miles north by 2.25 miles west of, at T road east in southeast corner, in corner fence post opposite H. S. McClure's residence; spike, painted "768.0"	768. 10
Van Wert, 3.25 miles north by 2.25 miles west of, at southwest corner of crossroads, 150 feet east of McClure School, Union Township (subdistrict No. 8); iron post stamped "765 OHIO"	765. 562
Van Wert, 2.25 miles west by 4.25 miles north of, at northeast corner of T road east; spike in corner fence post, painted "763.0"	763. 12
Cavett, 2.5 miles west of, 150 feet east of Centre School, 100 feet north of Union Centre Church, northeast corner of crossroads; spike in telephone guy pole, painted "759.9"	760. 05
Cavett, 2.5 miles west by 1 mile north of, 150 feet east of C. L. Gordon's store, in northeast corner of crossroads; iron post stamped "756 OHIO" ..	755. 818
Cavett, 2.5 miles west by 2 miles north of, 200 feet northwest of No. 2 School, northeast corner of crossroads; spike in telephone pole, painted "751.5" ..	751. 62
Scott, 2.5 miles west of, at southwest corner of crossroads; spike in corner fence post, painted "749.4"	749. 52

Point 1.5 miles northeast of Scott to point 1.5 miles east of Scott.

Scott, 0.5 mile east of, at southwest corner of crossroads; spike in telephone pole, painted "740.8"	740. 92
Scott, 1.5 miles east of, north side of road, at head of T road south; spike in telephone pole, painted "738.0"	738. 23

St. Paul Church south along highways to point 3 miles northwest of Convoy.

Convoy, 4 miles north by 1 mile west of, 90 feet northeast of Sugar Grove Church, at crossroads; painted circle on north wall of concrete culvert, painted "766.8"	766. 88
Convoy, 3 miles north by 1 mile west of, at northwest corner of crossroads; spike in telephone pole, painted "767.1"	767. 25

Alvordton, Edon, Napoleon, Pioneer, Swanton, Toledo, and Wauseon quadrangles.

FULTON, HENRY, LUCAS, AND WILLIAMS COUNTIES.

The elevations in the following list were determined by primary levels and accord with Bulletins 411 and 476 for Ohio and with Bulletin 461 for Michigan.

The leveling was done in 1911, in the Alvordton quadrangle by Howard Clark, Philip Flitman, C. W. Howell, and C. E. Mills; in the

Edon quadrangle by C. R. French; in the Montpelier quadrangle by A. D. Duck, French, and Howell; in the Napoleon quadrangle by Howell; in the Swanton and Toledo quadrangles by F. Mabrey; and in Wauseon quadrangle by Howell and Mills.

ALVORDTON QUADRANGLE.

Stryker east along highways to point 2 miles east of Archbold.

Stryker, 1 mile east of, at road crossing on east side of sec. 4, Springfield Township; spike in base of telephone pole.....	Feet. 716.29
Stryker, 2 miles east of, at T road, sec. 3, Springfield Township; spike in base of telephone pole.....	721.87
Stryker, 2.5 miles east of, at road crossing, center of sec. 2, Springfield Township; spike in base of fence post.....	719.44
Stryker, 3 miles east of, northwest corner at T road north; iron post stamped "722 OHIO".....	722.168
Stryker, 4 miles east of, at road crossing, east side of sec. 1, Springfield Township; spike in base of telephone pole.....	725.18
Archbold, 0.5 mile south by 1 mile west of, at road crossing; spike in base of telephone pole.....	726.33
Archbold, 0.5 mile south of, at T road; spike in base of telephone pole.....	724.98
Archbold, south end of town, at head of T road east; iron post stamped "736 OHIO".....	736.145
Archbold, 1 mile east of, at southeast corner of sec. 33, German Township, at T road; spike in base of telephone pole.....	725.16
Archbold, 2 miles east of, at road crossing; spike in base of telephone pole.....	734.38

Point 2.5 miles southeast of Archbold north to point about 2 miles northwest of Eckley.

Archbold, 0.5 mile south by 2 miles east of, southeast corner of crossroads; spike in base of fence post, marked "734.3".....	734.380
Archbold, 2 miles northeast of, at Lake Shore & Michigan Southern Ry. crossing; top of south rail, marked "738.9".....	738.96
Archbold, 0.5 mile north by 2 miles east of, northwest corner of crossroads, at southeast corner of schoolhouse (subdistrict No. 10); iron post stamped "740".....	740.052
Archbold, 1.5 miles north by 2 miles east of, at northwest corner of crossroads; painted square on drain pipe, marked "733.3".....	733.39
Eckley, 0.25 mile south by 1 mile west of, northwest corner of crossroads, on stone at foot of large willow tree; chiseled square, marked "743.8".....	743.91
Eckley, 1 mile northwest of, at road crossing; top of south rail, marked "743.2".....	743.39
Eckley, 0.8 mile north by 1 mile west of, at northwest corner of crossroad; iron post stamped "742".....	742.291

Point 1 mile west of Thelma west along public road to point 2 miles south of Alvordton.

Thelma, 1 mile west of, 300 feet west of road corner; top of concrete step..	731.14
Thelma, 2.1 miles west of, at T road east; spike in fence post.....	721.28
Fayette, 2 miles east by 2.5 miles south of, at southwest corner of crossroads; spike in telephone pole, marked "720.6".....	721.08
Zone, 1 mile north by 1 mile east of, at northwest corner of crossroads; spike in telephone pole, marked "730.1".....	730.58
Zone, 1 mile north of, at northeast corner of crossroads; iron post stamped "748".....	748.735

Zone, 1 mile north by 0.8 mile west of, at northeast corner of T road; spike in fence post, marked "760.7"	Feet. 761. 18
Zone, 1 mile north by 2 miles west of, at southwest corner of T road; spike in fence post, marked "785.0"	785. 48
Alvordton, 3 miles east by 1.5 miles south of, at northeast corner of T road; iron post stamped "801 OHIO"	801. 422
Alvordton, 2 miles south by 2 miles east of, at southwest corner of crossroads; spike in fence post, marked "816.9"	817. 45
Hamer, southeast corner of store, on north corner of crossroads; foundation stone, marked "818.0"	818. 56
Alvordton, 2 miles south of, at northwest corner of crossroads; iron post stamped "826 OHIO"	825. 468
Point 0.5 mile south of Bitters west along public road to point 2 miles north of Alvordton.	
Fayette, 1.5 miles north by 2 miles east of, at northeast corner of crossroads; spike in telephone pole, marked "776.8"	776. 89
Fayette, 1.5 miles north by 1 mile east of, at northeast corner of crossroads; spike in fence post, marked "794.5"	794. 60
Fayette, 1.5 miles north of, at southwest corner of crossroads; spike in telephone pole, marked "814.9"	814. 98
Fayette, 1.5 miles north by 1.8 miles west of, at northwest corner of crossroads; spike in telephone pole.	836. 36
Fayette, 1.5 miles north by 2.8 miles west of, at northwest corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 23, 1905, 845"	844. 852
Fayette, 1.5 miles north by 3 miles west of, at east end of northeast wing on bridge; top of masonry, marked "838.0"	838. 07
Primrose, 2 miles east by 1.2 miles north of, near lane; spike in fence post.	845. 43
Primrose, 2 miles east of by 1.5 miles north of, at northwest corner of crossroads; spike in fence post, marked "854.7"	854. 75
Primrose, 1 mile north by 0.5 mile east of, on northwest corner of T road; spike in fence post, marked "881.3"	881. 34
Stryker northwest along highways to point 4.5 miles northeast of Pulaski.	
Stryker, northeast corner of schoolhouse; iron post stamped "719 OHIO".	719. 403
Stryker, at Main Street railroad crossing, 3 feet from curb line on west side of street; top of north rail of Lake Shore & Michigan Southern Ry., painted "T. B. M. 717.9"	717. 93
Stryker, 0.8 mile northwest of, on east abutment of southeast corner of bridge over Tiffin River; chiseled circle inclosing cross, painted "705.9".	705. 97
Stryker, 1 mile north by 1 mile west of, at T road west; spike in telephone pole, marked "711.6"	711. 66
Stryker, 1 mile north by 2 miles west of, at southwest corner of crossroads; spike in telephone pole, painted "T. B. M. 723.5"	723. 47
Stryker, 1 mile north by 2.25 miles west of, at southeast corner of crossroads; iron post stamped "740 OHIO"	739. 763
Pulaski, 0.25 mile north by 4.5 miles east of, southwest corner of crossroads; spike in telephone pole, painted "T. B. M. 749.1"	749. 19
Stryker north along highways via West Unity and Alvordton to point 5 miles west of Alvordton.	
Stryker, 0.7 mile west by 2 miles north of, 75 feet south of southeast corner of crossroads; copper nail in top of stump, painted "T. B. M. 713.6"	713. 62
Stryker, 0.7 mile west by 2.5 miles north of, at T road west, on southeast abutment of bridge over branch of Tiffin River; chiseled square, painted "T. B. M. 710.7"	710. 71

West Unity, 2.5 miles south of, 300 feet south of southeast corner of crossroads; copper nail in top of stump, painted "T. B. M. 729.392".....	Feet. 729. 37
West Unity, 2.5 miles south of, at crossroads, northeast corner; iron post stamped "737 OHIO".....	736. 491
West Unity, 1 mile south of, at crossroads, on southwest wing of concrete culvert at north side of crossroads; chiseled circle, painted "T. B. M. 771.806".....	771. 77
West Unity, at northwest corner of station; copper nail in porch, painted "T. B. M. 792.164".....	792. 12
West Unity, 100 feet west of station, in southwest corner of park; iron post stamped "792 OHIO".....	792. 089
West Unity, on west end of stone step of town hall; chiseled square, painted "796.703".....	796. 65
West Unity, 1 mile north of, at northeast corner of crossroads; spike in post, painted "T. B. M. 814.0".....	813. 97
West Unity, 2.7 miles north of, at T road west, on east side of road at head of T; spike in base of telephone pole, painted "T. B. M. 822.7".....	822. 70
Alvordton, 2.1 miles south of, at northwest corner of crossroads; chiseled square on concrete block around post, painted "T. B. M. 824.867".....	824. 78
Alvordton, 2.1 miles south of, at northwest corner of crossroads; iron post stamped "826 OHIO".....	825. 468
Alvordton, 1 mile south of, at northwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 843.6".....	843. 55
Alvordton, southwest corner of stone culvert 120 feet south of crossing; chiseled square, painted "T. B. M. 838.724".....	838. 66
Alvordton, south end of town, 100 feet south of crossing, on west side of road, on railroad right of way; iron post stamped "840 OHIO".....	839. 852
Alvordton, 2 miles north of, at southeast corner of T road west; spike in base of post, painted "T. B. M. 897.519".....	897. 49
Alvordton, 2 miles north of, at southeast corner of T road west; iron post stamped "897 OHIO".....	897. 170
Alvordton, 2 miles north by 1 mile west of, at northeast corner of crossroads; copper nail in root of willow tree, painted "T. B. M. 905.2".....	905. 18
Alvordton, 2 miles north by 1.6 miles west of, at lane south; copper nail in top of post, painted "T. B. M. 904.113".....	904. 09
Alvordton, 2 miles north by 3 miles west of, at T road south; iron post stamped "Prim. Trav. Sta. No. 17, 884".....	883. 750
Alvordton, 2 miles north by 3.7 miles west of, at southeast corner of T road south; spike in base of post, marked "T. B. M. 878.215".....	878. 21
Point 1 mile south of West Unity east along highways to point 2 miles east of Burlington, thence north along highways to point 0.5 mile south of Bitters.	
West Unity, 1 mile south by 0.8 mile east of, at southeast corner of crossroads; spike in base of post, painted "T. B. M. 750.0".....	750. 04
West Unity, 1 mile south by 1.8 mile east of, at northeast corner of T road north; spike in base of telephone pole, painted "T. B. M. 757.2".....	757. 16
West Unity, 1 mile south by 2.4 miles east of, at northwest corner of crossroads; chiseled square on concrete wall of bridge, painted "T. B. M. 733.3".....	733. 33
West Unity, 1 mile south by 2.7 miles east of, at head of T road south, on line between William and Fulton counties; iron post stamped "726 OHIO".....	725. 962
Burlington, 2.2 miles west of, at northeast corner of T road north; spike in base of telephone pole, marked "716.5".....	716. 54

Burlington, 1.6 miles west of, on southwest corner of west abutment of iron bridge over Tiffin River; chiseled square, painted "T. B. M. 712.9"	Feet. 712. 96
Burlington, 1 mile west of, at northwest corner of crossroads; iron post stamped "716 OHIO"	716. 435
Burlington, on southwest corner of bridge at crossroads, on end of iron casting; square, painted "T. B. M. 717.2"	717. 25
Burlington, 1 mile east of, at southwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 724.8"	724. 81
Burlington, 2 miles east by 1 mile north of, northwest corner of crossroads; spike in base of fence post, painted "T. B. M. 731.9"	731. 81
Burlington, 2 miles east by 2.2 miles north of, at northeast corner of crossroads; spike in base of telephone pole, painted "T. B. M. 722.1"	722. 12
Burlington, 2 miles east by 3.5 miles north of, at northeast corner of crossroads; iron post stamped "722 OHIO"	722. 357
Burlington, 2 miles east by 4.6 miles north of, at T road west, on east side of road at head of T; spike in base of post, painted "T. B. M. 722.047"	722. 05
Burlington, 2 miles east by 4.8 miles west of, at southeast corner of T road east; spike in base of fence post, painted "T. B. M. 721.268"	721. 28
Ritters, 3.5 miles south of, at southwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 725.6"	725. 71
Ritters, 2 miles south of, at northwest corner of crossroads; iron post stamped "738 OHIO"	738. 348
Ritters, 0.5 mile south of, at crossroads, at well on school lot; chiseled square on concrete base, painted "T. B. M. 773.931"	774. 03

EDON QUADRANGLE.

Point 0.2 mile north of Billingstown south along highways via Columbia to point 6 miles southwest of Edon.

Billingstown, 0.2 mile north of, at southeast corner of crossroads; top of concrete fence post, level with road, marked "1032.135"	1, 033. 10
Billingstown, 0.8 mile south of, at northeast corner of crossroads; iron post stamped "986 OHIO"	986. 896
Billingstown, 1.3 miles south of, at southeast corner of T road east; spike in base of telephone pole, marked "993.571"	994. 54
Columbia, 1.7 miles north of, at southeast corner of T road east; painted square on top of rock, marked "968.5"	968. 44
Columbia, 1.4 miles north of, at northwest corner of T road north, 20 feet north of, 20 feet north to small walnut tree; painted square on top of rock, marked "973.6"	973. 51
Columbia, 0.7 mile north of, at northwest corner of crossroads; spike in base of fence post, marked "980.367"	980. 32
Columbia, 200 feet north of crossroads, on east side of road, 100 feet southwest to Star grocery; iron post stamped "979 OHIO"	978. 908
Columbia, 0.8 mile south of, at northeast corner of crossroads, spike in base of fence post, marked "984.496"	984. 45
Columbia, 1.5 miles south of, at northwest corner of T road north; painted square on top of bottom step of concrete steps, marked "963.7"	963. 68
Edon, 2 miles west by 3.8 miles north of, on Ohio-Indiana State line, southwest corner of T road south, on top of rock at fence corner; painted square, marked "983.073"	983. 02
Edon, 2 miles east by 3 miles north of, at crossroads, west side of north-south road, 75 feet north to west road, 100 feet east to south side of house; iron post stamped "960 OHIO"	960. 175

Edon, 2 miles north by 2 miles west of, at northeast corner of T road east; painted square on top of rock, marked "939.400"	Feet. 939.34
Edon, 2 miles west by 1 mile north of, at southwest corner of crossroads; spike in base of fence post, marked "923.206"	923.14
Edon, 2 miles west of, 10 feet north of northeast corner of T road east; iron post stamped "910 OHIO"	910.203
Edon, 2 miles west by 0.8 mile south of, at northwest corner of T road west; painted square on top of large rock, marked "912.815"	912.74
Edon, 2 miles west by 2.2 miles south of, at northwest corner of crossroads; spike in base of fence post, marked "891.274"	891.18
Edon, 2 miles west by 3 miles south of, at southeast corner of T road east, on township line; iron post stamped "887 OHIO"	886.588
Edon, 2 miles west by 3.9 miles south of, at southeast corner of crossing of State line road and Bellefontaine road; spike in base of fence post, marked "878.940"	878.84

Point 2 miles east of Edon west along highway to point 2 miles west of Edon.

Edon, 1 mile east of, at southeast corner of crossroads; spike in base of telephone pole, marked "881.7"	881.74
Edon, east end of, at T road south; stone in center of east-west road, marked "893.3"	893.34
Edon, 40 feet west of southwest corner of public square; chiseled square on sidewalk, marked "900.181"	900.23
Edon, at northwest corner of town hall; iron post stamped "897 OHIO" ..	897.343
Edon, 1 mile west of, at northeast corner of crossroads; top of rock at edge of road, marked "904.6"	904.62

NAPOLÉON QUADRANGLE.

Point 3 miles north of Liberty Center south along highways to Liberty Center.

Liberty Center, 3 miles north of, at southwest corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 31, 1905, 689"	689.525
Liberty Center, 2 miles north of, at northwest corner of crossroads; spike in corner post, painted "T. B. M. 685.3"	685.42
Liberty Center, 1 mile north of, at southwest corner of crossroads; spike in post, painted "T. B. M. 679.9"	680.08
Liberty Center, in front face of town house; aluminum tablet stamped "686"	685.694

PIONEER QUADRANGLE.

Point 4.7 miles northwest of Bryan north and east along highways to Montpelier.

Bryan, 4.7 miles northwest of, northwest corner of crossroads; spike in base of fence post	882.60
Bryan, 6 miles west by 2 miles north of, at road fork; iron post stamped "849 OHIO"	849.179
Bryan, 6 miles west by 2.4 miles north of, at crossroads, southwest end of sidewalk from Mount Olive Church, on concrete cornerstone; chiseled square	871.24
Montpelier, 4 miles south by 3 miles west of, at southeast corner of T road east; spike in base of fence post, painted "854.3"	854.56
Montpelier, 3 miles south by 3 miles west of, at east side of T at T road south, on top of concrete culvert; chiseled square, painted "849.3"	849.57
Montpelier, 3 miles south by 3.5 miles north of, at southwest corner of crossroads; spike in fencepost, painted "853.2"	859.39

Montpelier, 3.5 miles west by 2.3 miles south of, at railroad crossing; top of south rail of Wabash R. R. track, painted "856.2".....	856.42
Montpelier, 3.5 miles west by 2.3 miles south of, at railroad crossing, 80 feet north of track; iron post stamped "856 OHIO".....	855.839
Montpelier, 2 miles south by 3.5 miles north of, at southwest corner of crossroads; spike in fencepost, painted "863.3".....	863.57
Montpelier, 3.5 miles west by 1 mile south of, at southeast corner of T road south; spike in telephone pole, painted "871.9".....	872.17
Montpelier, 3 miles west by 1 mile south of, at head of T road north; spike in telephone pole, painted "861.1".....	861.31
Montpelier, 3 miles west of, at northeast corner of crossroads; iron post stamped "880 OHIO".....	880.447
Montpelier, 2 miles west of, at southwest corner of T road south; spike in fencepost, painted "873.8".....	874.02
Montpelier, 1 mile west of, at crossroads, 40 feet east of center of cross, on south side of road; spike in telephone pole, painted "871.2".....	871.36
Montpelier, at northeast corner of city hall building; iron post stamped "861 OHIO".....	860.839

Point $1\frac{1}{2}$ miles east of Montpelier to point 5 miles east of Montpelier.

Montpelier, 2 miles east of, at southwest corner of crossroads; iron post stamped "894 OHIO".....	894.071
Montpelier, 3 miles east of, 1 mile north of Jefferson, at southeast corner of crossroads; spike in telephone pole, painted "909.8".....	909.95
Montpelier, 4 miles east of, at southwest corner of crossroads; spike in telephone pole, painted "858.2".....	858.28

Point 2.5 miles northwest of Bryan north along highways to Montpelier, thence north, east, and south along highways to point 5 miles east of Montpelier.

Bryan, 2.5 miles northwest of, 100 feet northwest of Brown Cemetery, at northwest corner of crossroads; spike in telephone pole, painted "805.323".....	805.56
Bryan, 2.5 miles west by 1.5 miles north of, at southwest corner of crossroads; spike in telephone pole, painted "T. B. M. 831.0".....	831.25
Bryan, 2.5 miles west by 2.5 miles north of, at northwest corner of crossroads, 220 feet west of Lick Creek Church; iron post stamped "827 OHIO".....	826.906
Bryan, 2.5 miles north by 3.5 miles north of, at northwest corner of crossroads, in bridge planking; copper nail, painted "835.9".....	836.09
Montpelier, 2.8 miles south of, 0.5 mile east of, 250 feet east of West Bethesda Church, at southwest corner of crossroads, in small box culvert; copper nail, painted "T. B. M. 866.0" and marked with circle.....	866.25
Montpelier, 1.8 miles south by 0.5 mile east of, at southeast corner of crossroads; iron post stamped "900 OHIO".....	900.619
Montpelier, 0.8 mile south by 0.5 mile east of, at southwest corner of T road south; spike in fencepost, painted "T. B. M. 875.5".....	876.74
Montpelier, northeast corner of city hall public square; iron post stamped "861 OHIO".....	860.839
Montpelier, 0.7 mile east of, at end of Main Street, north side of street, on top of concrete curb; chiseled square, painted "860.2".....	860.41
Montpelier, 1.5 miles east of, at head of T road north; spike in fencepost, painted "875.958".....	876.14
Montpelier, 1.5 miles north by 1.5 miles east of, at southeast corner of T road east; spike in telephone pole, painted "T. B. M. 866.8".....	867.00
Montpelier, 2.5 miles north by 1 mile east of, at T road west, 50 feet north of T; spike in telephone pole, painted "856.875".....	857.04

Montpelier, 2.5 miles north by 1 mile east of, at head of T road west; iron post stamped "856 OHIO".....	Feet. 856.543
Pioneer, 2.5 miles south by 2 miles west of, at northeast corner of crossroads; piece of wrought iron driven in fence post, painted "872.4"	872.58
Pioneer, 1 mile south by 2 miles west of, at northwest corner of crossroads; copper b. m. nail in root of oak tree, painted "890.268"	890.43
Pioneer, 1 mile south by 2 miles west of, at southwest corner of crossroads; iron post stamped "890 OHIO"	890.529
Pioneer, 1 mile west of, at center of crossroads; top of section-corner stone, painted "886.2"	886.31
Pioneer, in front of A. H. Shaffer's lunch rooms, on Main Street; chiseled square on crossing stone, painted "879.3"	879.45
Pioneer, 0.9 mile east of, at northwest corner of T intersection; top of granite boulder, painted "873.228"	873.37
Pioneer, 0.9 mile east of, at northwest corner of T intersection; iron post stamped "873 OHIO"	872.660
Pioneer, 2.2 miles east of, at northeast corner of T road; spike in base of post, marked "T. B. M. 889.9"	889.99
Pioneer, 2.4 miles east of, at southwest corner of T road south; spike in fence post, painted "877.873"	878.01
Pioneer, 2.4 miles east by 1 mile south of, at northeast corner of crossroads; spike in fence post, painted "888.479"	888.61
Pioneer, 2.4 miles east by 2 miles south of, at northwest corner of crossroads; spike in telephone pole, painted "884.5"	884.64
Pioneer, 2.4 miles east by 3 miles south of, at southwest corner of crossroads; spike in fence post, painted "878.836"	878.96
Pioneer, 2.4 miles east by 3 miles south of, at southwest corner of crossroads; iron post stamped "879 OHIO"	879.227
Pioneer, 2.4 miles east of, by 4 miles south of, at head of T intersection; spike in telephone pole, painted "883.6"	883.75
Pioneer, 2.4 miles east by 5.5 miles south of, at northwest corner of crossroads; spike in fence post, painted "T. B. M. 862"	862.14
Montpelier, 5 miles east of, at crossroads, at southwest corner of school-house lot; iron post stamped "859 OHIO"	859.394

Pioneer north and west along highways 5 miles, thence south to point 3 miles west of Montpelier.

Pioneer, 1 mile west by 1 mile north of, at southwest corner of T road west; iron post stamped "906 OHIO"	906.276
Pioneer, 1 mile north by 2 miles west of, at crossroads, on northeast corner of wall of concrete bridge; chiseled square, painted "T. B. M. 898.3"	898.50
Pioneer, 1 mile north by 3 miles west of, at southwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 927.0"	927.13
Pioneer, 1 mile north by 4 miles west of, at northwest corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 18, 939"	939.353
Pioneer, 1 mile north by 5 miles west of, at northeast corner of T road north; spike in corner fence post, painted "T. B. M. 949.0"	949.13
Pioneer, 1 mile north by 6 miles west of, at southwest corner of crossroads; spike in base of telegraph pole, painted "B. M. 961.690"	961.77
Pioneer, 1 mile north by 7 miles west of, at head of T road south, on north side of road; iron post stamped "953 OHIO"	954.254
Pioneer, 6 miles west by 0.25 mile north of, at bridge over St. Joseph River, in northwest corner of bridge, copper nail painted "T. B. M. 911.013" ..	911.10

Bridgewater Center, 2 miles west by 1.5 miles north of, at southeast corner of crossroads; spike in fence post, painted "T. B. M. 931.8".....	Feet. 931. 96
Bridgewater Center, 2 miles west of, at crossroads, 10 feet west of northwest corner of church; iron post stamped "935 OHIO".....	934. 906
Bridgewater Center, 2 miles west by 1.25 miles south of, at northwest corner of crossroads; spike in base of fence post, painted "T. B. M. 913.9" ..	914. 00
Montpelier, 3 miles west by 2.25 miles north of, at corner of T road north, at northwest corner of school lot; iron post stamped "905 OHIO".....	905. 318
Montpelier, 3 miles west by 1.5 miles north of, at southeast corner of T road; spike in base of post, marked "T. B. M. 886.2".....	886. 32

Point 0.4 mile east of Pulaski southwest along highways to point 1 mile south of Pulaski.

Pulaski, at southwest corner of German Reformed Church; iron post stamped "762 OHIO"	761. 563
Pulaski, 1 mile south of, at northeast corner of crossroads; spike in telephone pole, painted "T. B. M. 754.9".....	755. 00

Pulaski, north along highways to point 5 miles east of Montpelier.

Pulaski, 0.3 mile west of, in corner, on north side of bridge over Beaver Creek; nail painted "T. B. M. 744.3".....	744. 40
Pulaski, 1 mile west of, at northwest corner of T road north; chiseled square on granite boulder, painted "T. B. M. 773.7".....	773. 74
Pulaski, 1 mile west by 1 mile north, of, at northeast corner of crossroads; spike in base of telephone pole, painted "T. B. M. 800.3".....	800. 36
Pulaski, 1 mile west by 2.1 miles north of, at T road east, at southeast corner of bridge over Beaver Creek; copper nail in plank painted "T. B. M. 778.1".....	778. 20
Pulaski, 0.5 mile west by 2 miles north of, 70 feet west of southwest corner of T road; copper nail in top of stump, painted "T. B. M. 801.483".....	801. 54
Pulaski, 0.3 mile west by 2 miles north of, at head of T road north; iron post stamped "801 OHIO".....	800. 893
Montpelier, 5 miles east by 1 mile south of, southeast corner of crossroads; spike in base of telephone pole, painted "T. B. M. 822.1".....	822. 23
Montpelier, 5 miles east of, at southeast corner of crossroads, on corner of concrete around post; chiseled circle and cross, painted "T. B. M. 856.635".....	856. 74

Point 1.25 miles south of Blakeslee north along highways via Cooney and Nettle Lake to point 3 miles northeast of Cooney.

Blakeslee, 1.25 miles south by 0.5 mile west of, at southwest corner of T road south; spike in base of 2-foot fence post, marked "858.9".....	858. 99
Blakeslee, south edge of town, northeast corner of T road east; chiseled square on cement walk, marked "860.5".....	860. 56
Blakeslee, Wabash R. R. crossing, west side of highway, north side of railroad; nail in tie supporting signal block, marked "869.243".....	869. 32
Blakeslee, on Wabash R. R. right of way, 60 feet of railroad crossing, south side of track; iron post stamped "868 OHIO".....	868. 505
Blakeslee, north edge of town, southeast corner of crossroads; chiseled square on cement walk, marked "873.9".....	873. 98
Blakeslee, 1.3 miles north of, at northwest corner of crossroads; spike in base of fence post, marked "876.6".....	876. 68
Edon, 2 miles east of, southeast corner of sec. 15, northwest corner of crossroads; spike in base of telephone pole, marked "881.050".....	881. 11

Edon, 2 miles east of, northwest corner of crossroads, southwest corner of sec. 15; iron post stamped "881 OHIO".....	Feet. 881.048
Edon, about 2 miles east of, northwest corner of sec. 14, at crossroads; spike in base of 18-inch fence post, marked "901.7".....	901.73
Edon, 2 miles east by 2 miles north of, at southeast corner of T road south; painted square on top of 2-foot rock, marked "905.015".....	905.08
Edon, 3 miles east by 2 miles north of, southeast corner of crossroads; chiseled square in floor of cement block culvert, marked "891.2".....	891.30
Montpelier, 4.2 miles west of, southeast corner of crossroads; spike in base of corner fence post, marked "884.9".....	885.01
Edon, 2 miles north by 1.8 miles east of, at northeast corner of T road east; painted square on top of rock, marked "910.1".....	910.128
Edon, 2 miles north by 1 mile east of, at northeast corner of crossroads, inside garden fence; iron post stamped "Prim. Trav. Sta. No. 20, 1905, 900".....	899.930
Berlin, 0.5 mile south by 0.8 mile east of, at southwest corner of crossroads; spike in base of telephone pole, marked "918.2".....	918.24
Berlin, 0.8 mile east of, at southeast corner of crossroads; spike in base of telephone pole, marked "931.9".....	931.89
Berlin, 0.5 mile east by 0.8 mile north of, southeast corner of T road southeast; spike in base of fence post, marked "948.284".....	949.31
Cooney, 2.5 miles south of, 40 feet east of northeast corner of T road north, 15 feet west by 2 feet south of maple tree, 15 feet east by 2 feet south of another maple tree; iron post stamped "939 OHIO".....	940.410
Cooney, 1.6 miles south of, at southeast corner of crossroads, 130 feet northwest to schoolhouse (district No. 4); spike in base of fence post, marked "951.9".....	952.93
Cooney, 1 mile south of, at northwest corner of T road west; spike in base of fence post, marked "961.8".....	962.82
Cooney, 0.5 mile south of, at southwest corner of T road west; painted square on top of stone in road, marked "982.9".....	983.92
Cooney, at southwest corner of crossroads; iron post stamped "978 OHIO".....	979.250
Cooney, 1 mile north of, at southeast corner of T road east, at side of road; painted square on top of stone, marked "986.0".....	987.06
Cooney, 2.5 miles north of, at northwest corner of crossroads, in fence corner; iron post stamped "Prim. Trav. Sta. No. 19, 1905, 980".....	981.440
Cooney, 2.5 miles north by 0.8 mile east of, at T road south, north side of east-west road opposite T road; spike in base of fence post, marked "956.9".....	957.87
Nettle Lake, surface of water; August 3, 1911.....	944
Cooney, 2.5 miles north by 1.5 miles east of, at northwest corner of T road north, 100 feet northwest of Nettle Lake Church; spike in base of butter-nut tree, marked "978.9".....	979.90
Nettle Lake Church, 0.5 mile east of, at northeast corner of T road north; spike in base of corner fence post, marked "950.8".....	951.84

SWANTON QUADRANGLE.

Point 3 miles south of Delta east along highways to Whitehouse.

Delta, 3 miles south by 1 mile east of, southwest corner of crossroads, in Raker Union Church yard; brass tag on top of short post, marked "693.0".....	693.12
Delta, 3 miles south by 1.2 miles east of, northeast corner of T road, opposite schoolhouse; spike in base of telephone pole, painted "682.5".....	682.65
Delta, 3 miles south of, 1.5 miles east of, northwest corner of T road north; spike in base of telephone pole, painted "697.7".....	697.85

Delta, 3 miles south by 2 miles east of, southwest corner of crossroads; iron post stamped "687".....	Ft. 687. 386
Brailey, 1.8 miles south by 1 mile west of, 800 feet west of St. Johns Church, northeast corner of crossroads; spike in base of telephone pole, painted "682.3".....	682. 37
Brailey, 1.8 miles south of, at northwest corner of crossroads; brass tag in base of mailbox, painted "681.6".....	681. 67
Brailey, 1.8 miles south by 1 mile east of, southwest corner of crossroads, in Elkin schoolhouse yard, 120 feet southwest of crossroads; iron post stamped "677".....	677. 10
Brailey, 1.8 miles south by 1.5 miles east of, at T road north; spike in base of telephone pole, painted "680.7".....	680. 68
Brailey, 1.8 miles south by 2 miles east of, northwest corner of crossroads, on line between Fulton and Randolph counties; spike in base of telephone pole, painted "680.5".....	680. 43
Brailey, 1.8 miles south of, 25 feet east of northwest corner of crossroads; tag on top of mailbox, painted "678.4".....	678. 31
Brailey, 1.8 miles south by 3 miles east of, southwest corner of crossroads; brass tag on top of fence post, painted "680.8".....	680. 70
Whitehouse, 3 miles northwest by 0.8 mile west of, northeast corner of crossroads, opposite Oak Grove schoolhouse; iron post stamped "671"....	671. 169
Whitehouse, 3.8 miles northwest of, northwest corner of crossroads; spike in base of mailbox, painted "674.1".....	674. 05
Whitehouse, 1 mile northwest of, northeast corner of crossroads; spike in base of corner fence post, marked "669.6".....	669. 48

Point 1 mile north of Crissy south along highways to Whitehouse.

Crissy, 0.1 mile north of, at crossroads, in platform of town pump; brass tag, painted "649.400".....	649. 58
Holland, 3.8 miles west of, southeast corner of crossroads; spike in base of telephone pole, painted "666.2".....	666. 46
Garden, station of Interurban Electric Ry., 4 miles west by 0.8 mile south of Holland, in north side of crossroads; iron post stamped "Prim. Trav. Sta. No. 28, 667".....	667. 100
Holland, 3.8 miles west by 0.5 mile south of, at northeast corner of crossroads; spike in base of telephone pole, marked "660.0".....	660. 18
Monclova, 2.25 miles west by 1.8 miles north of, at west side of Y road; spike in base of telephone pole, marked "650.2".....	650. 42
Monclova, 2.25 miles northwest of, 1.5 miles north of, at west side of Y road; spike in base of telephone pole, marked "644.6".....	644. 88
Monclova, 2.25 miles west by 1 mile north of, 300 feet east of Roberts Church, northwest corner of crossroads; spike in base of telephone pole, marked "650.0".....	650. 19
Monclova, 2.35 miles west of, 850 feet north of railroad, northwest corner of crossroads; iron post stamped "649".....	649. 131
Monclova, 2.25 miles west by 0.8 mile south of, at northwest corner of stone culvert; chiseled square, marked "641.6".....	641. 90
Whitehouse, 2.5 miles northeast of, at northwest corner of Y road; spike in base of fence post, marked "643.6".....	643. 91
Whitehouse, 1.9 miles northeast of, at Y road, on northeast end of bridge; bolt, marked "640.7".....	641. 03
Whitehouse, 1.8 miles northeast of, at southeast corner of Y road; spike in base of telephone pole, "650.7".....	651. 02

Whitehouse, 1.6 miles northeast of, northeast corner of T road south, at edge of cemetery; spike in base of telephone pole, marked "656.846"....	Feet. 657. 13
Whitehouse, 1.4 miles northeast of, at south side of T road, 150 feet south of bridge; spike in base of telephone pole, marked "648.0".....	648. 34
Whitehouse, 1.2 miles northeast of, 200 feet north of Nable schoolhouse, on east side of T road; spike in base of telephone pole, marked "657.4"....	657. 937

Garden west along highways to point 2 miles north of Delta.

Garden, interurban railway station, 20 feet north of, at east side of fork of road, on edge of track; spike in base of power-line pole, marked "672.7" ..	672. 80
Midway, 0.3 mile north of, at southeast corner of crossroads; spike in base of telephone pole, marked "670.5".....	670. 70
Midway, 0.3 mile north by 0.5 mile west of, on south side of T road; spike in base of fence post, marked "671.9".....	672. 05
Midway, 0.3 mile north by 1 mile west of, at southwest corner of crossroads; iron post stamped "678".....	679. 045
Swanton, 1 mile north by 0.1 mile east of, at south side of T road; spike in base of telephone pole, marked "672.3".....	672. 47
Swanton, 1 mile east of, southeast corner of crossroads; spike in base of fence post, marked "676.2".....	676. 35
Swanton, 0.5 mile east of by 1 mile north of, at northeast corner of crossroads; spike in base of telegraph pole, marked "688.1".....	688. 21
Swanton, 1 mile northwest of, southwest corner of crossroads; iron post stamped "697".....	696. 880
Swanton, 1 mile northwest by 1 mile west of, at southeast corner of crossroads; spike in base of telephone pole, marked "708.6".....	708. 74
Swanton, 1 mile northwest by 2 miles west of, southeast corner of crossroads; spike in base of telephone pole, painted "720.8".....	720. 91
Swanton, 1 mile northwest by 2.4 miles west of, southeast corner of T road south; spike in base of telephone pole, painted "731.61".....	731. 81
Delta, 2 miles north by 2.5 miles east of, at southeast corner of crossroads; spike in base of corner fence post, painted "732.3".....	732. 50
Delta, 2 miles north by 2 miles east of, at southeast corner of crossroads; iron post stamped "738".....	738. 446
Delta, 2 miles north by 1.3 miles east of, northeast corner of T road; spike in base of corner fence post, marked "739.3".....	739. 45
Delta, 2 miles north by 0.5 mile east of, at northeast corner of crossroads; spike in north side at base of telephone pole, painted "744.4".....	744. 55

Point 0.5 mile north of Crissy north along highways to point 3 miles west of Sylvania.

Crissy, 0.5 mile north of, at southwest corner of T road; spike in base of telephone pole, painted "650.3".....	650. 52
Crissy, 1.2 miles north of, southeast corner of crossroads; spike in base of oak tree, painted "657.4".....	657. 57
Crissy, 1.5 miles north of, at northeast corner of T road; spike in base of tree, painted "678.7".....	678. 91
Crissy, 1.5 miles north of, at northeast corner of T road; spike in base of tree, painted "678.7".....	678. 91
Crissy, 1.7 miles north of, northwest corner of crossroads; spike in base of corner fence post, painted "678.8".....	679. 04
Crissy, 2.4 miles north of, at five-point crossroads, northeast corner; iron post stamped "678".....	677. 762
Crissy, 3.1 miles north of, at northwest corner of T road; spike in base of telephone pole, marked "672.1".....	671. 97

Raab, 3.0 miles east of, at northeast corner of crossroads; chiseled square on stone arch, marked "673.1".....	Feet. 673. 34
Raab, 2.5 miles east of, at northwest corner of T road; spike in root of tree, painted "676.7".....	676. 90
Raab, 2.5 miles east by 1 mile south of, west side of T road; spike in base of post, painted "676.0".....	676. 19
Raab, 2.5 miles northeast of, northwest corner of T road; spike in base of fence post, painted "676.3".....	676. 53
Glenntown, 2.2 miles west by 1 mile south of, 0.1 mile west of Keeler road; spike in base of telephone pole, painted "671.0".....	671. 24
Glenntown, 2.2 miles west by 1 mile south of, at northeast corner of T road; spike in base of corner fence post, painted "669.8".....	669. 99
Glenntown, 2.2 miles west of, at southwest corner of crossroads; iron post stamped "680".....	680. 341
Glenntown, 1 mile west of, at south side of T road; spike in base of telephone pole, painted "671.2".....	671. 34
Glenntown, 1 mile west of, northwest corner of T road; spike in base of telephone pole, painted "671.6".....	671. 75
Sylvania, 3 miles west by 1 mile south of, at southeast corner of crossroads; spike in base of corner fence post, painted "681.2".....	681. 33
Sylvania, 3 miles west of, at northeast corner of crossroads, 50 feet north of railroad; spike in base of telephone pole, marked "684.213".....	684. 29
Point 2.3 miles northeast of Raab west along highways to point 0.5 mile west of Siney.	
Raab, 2.3 miles northeast of, at northeast corner of road forks; spike in base of corner fence post, painted "673.1".....	673. 36
Raab, 0.5 mile east of, 0.1 mile north of, at west side of fork of road; spike in base of post, painted "676.3".....	676. 55
Raab, 0.5 mile east of, at southeast corner of T road, east of bridge; iron post stamped "673".....	673. 428
Raab, 1 mile west of, at northeast corner of crossroads; spike in base of corner fence post, painted "685.3".....	685. 55
Raab, 2 miles west of, southwest corner of crossroads; iron post stamped "701".....	701. 602
Raab, 3.1 miles west of, at northeast corner of crossroads, at line between Fulton and Lucas counties; spike in base of telephone pole, painted "709.0".....	709. 38
Raab, 4.1 miles west of, at southeast corner of crossroads; spike in base of telephone pole, painted "720.0".....	720. 41
Caraghar, 1 mile south of, at southwest corner of T road; spike in base of fence post, painted "724.2".....	724. 60
Caraghar, 1 mile south by 0.3 mile west of, at southwest corner of T road; spike in base of corner fence post, painted "728.5".....	728. 90
Caraghar, 1 mile south by 1.3 miles west of, at southwest corner of crossroads; iron post stamped "729".....	729. 709
Caraghar, 1 mile south by 1.6 miles west of, at northwest corner of T road north; spike in base of corner fence post, painted "737.4".....	737. 87
Caraghar, 1 mile south by 2.05 miles west of, northeast corner of T road north; spike in base of corner fence post, marked "750.2".....	750. 66
Caraghar, 1 mile south by 2.3 miles west of, at north side of T road south; spike in base of telephone pole, marked "747.6".....	748. 07
Caraghar, 1 mile south by 3.3 miles west of, northwest corner of crossroads; spike in base of corner fence post, painted "749.6".....	750. 15
Caraghar, 1 mile south by 3.7 miles west of, southeast corner of T road south; spike in base of telephone pole, painted "749.1".....	749. 61

Caraghar, 1 mile south of, 4.3 miles west of, northeast corner of crossroads; spike in base of corner fence post, marked "751.3"	Fet. 751. 83
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Town line east along highways to point 3 miles west of Sylvania.

Metamora, 3.7 miles west of, southeast corner of T road; spike in base of corner fence post, marked "737.7"	737. 93
Metamora, 2.7 miles west of, south side of T road north; spike in base of corner post, marked "732.6"	732. 87
Metamora, 1.9 miles west of, southeast corner of T road south; spike in base of corner fence post, marked "729.8"	730. 15
Metamora, 1.7 miles northwest of, at Champion interurban station, south side of T road north; iron post stamped "727"	727. 808
Metamora, 0.7 mile west of, at edge of west corporation line, at northwest corner of T road north; spike in base of fence post, marked "725.3"	725. 67
Metamora, 0.4 mile west of, southwest corner of T road south; spike in telephone pole, marked "723.8"	724. 19
Metamora, 250 feet east of M. E. Church, northeast corner of T road north; spike in base of telephone pole, marked "721.7"	722. 06
Metamora, 0.4 mile east of, at interurban stop 82, northeast corner of crossroads; spike in base of brace post, marked "719.4"	719. 79
Metamora, 1.5 miles east of, at Treadway interurban station, on line between Lucas and Fulton counties; iron post stamped "Prim. Trav. Sta. No. 26, 713"	713. 474
Metamora, 2.7 miles east of, interurban stop 55, northwest corner of crossroads; spike in base of corner post, marked "710.2"	710. 67
Metamora, 3.7 miles east of, northeast corner of crossroads, at Burkey stop; iron post stamped "704"	704. 986
Metamora, 4.7 miles east of, southwest corner of crossroads; spike in base of telephone pole, marked "697.1"	697. 72
Metamora, 5.7 miles east of, northwest corner of T road north; spike in base of telephone pole, marked "692.4"	692. 99
Metamora, 5.98 miles east of, southwest corner of T road south; spike in base of fence post, marked "690.9"	691. 51
Metamora, 6.6 miles east of, southeast corner of T road; spike in base of corner fence post, marked "690.2"	690. 85
Metamora, 6.9 miles east of, northwest corner of T road north; spike in base of corner post, marked "687.6"	688. 30
Sylvania, 3 miles west of, at northeast corner of crossroads, 50 feet north of railroad; spike in base of telephone pole	684. 29

Point 1 mile south of Delta to point 3 miles southeast of Delta.

Delta, 0.5 mile east of station, at road crossing; top of south rail, marked "704.46"	704. 56
Delta, 2 miles south by 0.5 mile east of, about 200 feet east of T road south, on south side of east-west road at T road north; iron post stamped "691" ..	691. 255

Delta north along highways to point 4 miles northeast of Lyons (portions of line).

Siney, 1 mile north of, northwest corner of crossroads; spike in base of telephone pole, marked "749.329"	749. 53
Siney, 2 miles north of, northwest corner of crossroads; spike in base of telephone pole, marked "751.7"	751. 95
Lyons, 4 miles east of, southeast corner of crossroads; spike in base of telephone pole, marked "744.4"	744. 65

Townline, station on Toledo & Western Electric R. R., at southeast corner of crossroads, in northwest corner of field; iron post stamped "Prim. Trav. Sta. No. 25, 1905, 733"	Feet. 733.102
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TOLEDO QUADRANGLE.

Point 5 miles south of Holland to point 1.5 miles southwest of Holland.

Holland, 0.5 mile south of, southwest corner of crossroads; spike in base of telephone pole, painted "636.6"	635.60
Holland, 0.5 mile south by 0.5 mile west of, on south side of bridge; projection on east wing on abutment, painted "623.4"	623.44
Holland, 0.5 mile south by 1 mile west of, southwest corner of crossroads, 0.25 mile south of Albion stop on interurban line; spike in base of telephone pole, marked "642.2"	642.34

Point 2 miles west of Sylvania to Sylvania.

Sylvania, 2 miles west of, at Centennial schoolhouse northwest corner of crossroads; spike in base of corner post, painted "678"	678.11
Sylvania, 1.5 miles west of, at southeast corner of T; spike in base of telephone pole, marked "667.5"	667.53

WAUSEON QUADRANGLE.

Point 3 miles east of Archbold to point 3 miles south of Delta.

Archbold, 3 miles east of, southwest corner of sec. 36, German Township, at road crossing; spike in base of telephone pole	742.99
Archbold, 4 miles east of, at northwest corner of crossroads; iron post stamped "749 OHIO"	748.725
Archbold, 5 miles east of, southeast corner of sec. 31, Clinton Township, at road crossing; spike in base of telephone pole	760.18
Wauseon, 2.5 miles west by 2 miles south of, at road crossing; spike in base of fence post	762.79
Wauseon, 2 miles south by 1.5 miles west of, at southwest corner of crossroads; iron post stamped "756 OHIO"	755.963
Wauseon, 2 miles south by 0.5 mile west of, at southeast corner of bridge at crossroads; chiseled circle, painted "T. B. M. 739.3"	739.44
Wauseon, 2 miles south by 0.5 mile east of, at southeast corner of crossroads; spike in post, painted "T. B. M. 739.6"	739.74
Wauseon, 2 miles south by 1.5 miles east of, at northwest corner of crossroads; iron post stamped "736 OHIO"	736.533
Wauseon, 3 miles south by 1.5 miles east of, at southwest corner of crossroads; spike in telephone pole, painted "T. B. M. 717.6" (on unchecked spur line)	717.71
Wauseon, 2 miles south by 2.5 miles east of, at southwest corner of crossroads; spike in base of telephone pole, painted "T. B. M. 718.9"	719.07
Wauseon, 2 miles south by 3.5 miles east of, at northwest corner of crossroads; spike in telephone pole, painted "T. B. M. 708.8"	708.92
Wauseon, 2 miles south by 4.3 miles east of, at southwest corner of crossroads; iron post stamped "701 OHIO"	701.584
Wauseon, 2 miles south by 5.5 miles east of, at northwest corner of crossroads; spike in telephone pole, painted "T. B. M. 694.3"	694.44
Wauseon, 2 miles south by 6.5 miles east of, at southeast corner of T road south; spike in corner post, painted "T. B. M. 687.6"	687.74
Wauseon, 2 miles south by 7 miles east of, at southeast corner of T road south; spike in post, painted "T. B. M. 685.7"	685.88

	Feet.
Wauseon, 2 miles south by 7.3 miles east of, at northwest corner of T road north to Delta; iron post stamped "690 OHIO".....	690.216
Liberty Center, 4 miles north of, at southeast corner of crossroads; spike in corner post, marked "T. B. M. 687.3".....	687.40
Delta, 3 miles south of, at crossroads; spike in base of telephone pole, painted "687.953".....	688.07

Eckley east and south along highways to Wauseon.

Eckley, 0.8 mile north of, at southwest corner of crossroads; painted square on concrete base of iron post 7.2 feet high, marked "744.09".....	744.27
Eckley, 0.8 mile north by 1 mile east of, northwest corner of crossroads; spike in base of telephone pole, marked "745.8".....	745.99
Eckley, 0.8 mile north by 2 miles east of, in southeast corner of T road south, northwest corner of schoolhouse yard; iron post stamped "751".....	751.317
Eckley, 0.8 mile north by 3 miles east of, northwest corner of crossroads; spike in base of fence post, marked "760.9".....	761.14
Wauseon, 1.8 miles north by 1.25 miles west of, southeast corner of crossroads; spike in base of fence post, marked "781.4".....	781.68
Wauseon, 1.8 miles north of, northeast corner of crossroads; iron post stamped "789".....	789.484
Wauseon, southeast corner of Ottokee and West Linfoot streets, at east end of water trough; chiseled square on stone, marked "773.1".....	773.36
Wauseon, 20 feet east of station, at road crossing; top of north rail, marked "763.2".....	763.50
Wauseon, southwest corner of Depot and North Fulton streets, 1 foot from water plug; chiseled square on stone curbing, marked "770.3".....	770.61
Wauseon, 0.25 mile east by 1.25 miles south of, northeast corner of crossroads; spike in base of telephone pole, marked "745.7".....	746.00
Wauseon, 0.25 mile east by 2.25 miles south of, southeast corner of crossroads; spike in base of fence post, marked "739.649".....	739.74

From point 1.8 miles north of Wauseon east along highway to point 1 mile southeast of Delta.

Wauseon, 1.8 miles north by 0.8 mile east of, northeast corner of crossroads; spike in base of telephone pole, marked "769.1".....	769.44
Wauseon, 1.8 miles north by 1.8 miles east of, southeast corner of crossroads; spike in base of fence post, marked "766.5".....	766.78
Wauseon, 1.8 miles north by 2.8 miles east of, southwest corner of crossroads; spike in base of telephone pole, marked "762.6".....	762.91
Delta, 4 miles west of, southeast corner of crossroads; iron post stamped "753".....	753.229
Delta, 3 miles west of, northwest corner of crossroads, northeast corner of platform, in wooden pump; spike head painted white, marked "754.9".....	755.14
Delta, 2 miles west of, northwest corner of crossroads; spike in base of telephone pole, marked "744.4".....	744.60
Delta, 1 mile west of, at southeast corner of T road south, at corporation line; spike in base of telephone pole, marked "733.9".....	734.12
Delta, west side of city hall, in lawn between sidewalk and street, 50 feet north of Main street; iron post stamped "723 OHIO".....	723.226
Delta, 300 feet east of station, at railroad crossing; top of south rail, marked "721.8".....	722.0
Delta, 1 mile southeast of, at southeast corner of T road; nail in base of fence post, marked "709.3".....	709.45

Point 1.8 miles north of Wauseon north and east along public road to point 5 miles north of Delta.

Wauseon, 2.8 miles north of, at northwest corner of crossroads; spike in fence post, marked "785.4".....	Feet. 785.68
Wauseon, 3.8 miles north of, 0.8 mile west of Ottokee, at southeast corner of crossroads; iron post stamped "786 OHIO".....	786.185
Ottokee, 1 mile west by 1 mile north of, at northwest corner of crossroads; spike in fence post, marked "791.2".....	791.54
Ottokee, 1 mile west by 1.5 miles north of, on south end of east wing of concrete culvert; top of masonry, marked "783.1".....	783.41
Ottokee, 1 mile west by 2 miles north of, at northeast corner of crossroads; spike in fence post, marked "794.6".....	794.97
Oak Shade, 2 miles south of, at southeast corner of crossroads; iron post stamped "798 OHIO".....	798.613
Oak Shade, 2 miles south by 0.5 mile east of, at northwest corner of crossroads; spike in fence post, marked "787.36".....	787.20
Oak Shade, 2 miles south by 1 mile east of, at northeast corner of crossroads; spike in fence post, marked "779.5".....	779.81
Oak Shade, 2 miles south by 2 miles east of, at northwest corner of crossroads; white cross on concrete trough, marked "780.4".....	780.67
Winimeg, 1 mile north by 1 mile west of, at southeast corner of crossroads; iron post stamped "768 OHIO".....	768.108
Winimeg, 0.5 mile west by 1 mile north of, at T road south; spike in fence post, marked "774.3".....	774.48
Winimeg, 1 mile north of, at southeast corner of crossroads; spike in fence, marked "767.1".....	767.31
Winimeg, 1 mile north by 0.5 mile east of, at southeast corner of crossroads; spike in fence, marked "756.9".....	757.12
Delta, 4.8 miles north by 1.8 miles west of, at northeast corner of crossroads; iron post stamped "755 OHIO".....	755.035
Delta, 4.8 miles north by 0.8 mile west of, at southeast corner of crossroads; spike in fence post, marked "755.4".....	755.55
Delta, 4.8 miles north of, at southwest corner of crossroads; spike in fence post, marked "765.0".....	765.09

Point 6.25 miles north of Wauseon west along highway to point 1 mile west of Thelma.

Oak Shade, 2 miles south by 1 mile west of, at southwest corner of crossroads; spike in fence post, marked "809.8".....	810.15
Oak Shade, 2 miles south by 2 miles west of, at T road east; spike in fence post, marked "766.2".....	766.60
Spring Hill, 3 miles north of, at southwest corner of crossroads; iron post stamped "732".....	732.405
Thelma, north end of lower concrete step, at T road east; west end of stone, marked "739.2".....	739.65
Thelma, 1 mile west of, at T road east; spike in fence post, marked "723.7".....	724.13

Point 2 miles south of Oak Shade north and east along highways to point 1 mile north-east of Seward.

Oak Shade, 1 mile south of, at southwest corner of crossroads; spike in fence, marked "796.8".....	797.18
Oak Shade, northwest corner of T road north; iron post stamped "808 OHIO".....	808.156
Oak Shade, 1.5 miles north of, at northeast corner of crossroads; spike in fence post, marked "811.5".....	811.89

Oak Shade, 2 miles north of, at southwest corner of T road west; spike in fence, marked "798.8"	Feet. 799.11
Oak Shade, 2.5 miles north of, east end of railroad crossing, at crossroads; top of north rail of Toledo & Western Ry. (electric), painted white, and marked "798.8"	799.15
Lyons, 2.5 miles west of, at southwest corner of crossroads; iron post stamped "780 OHIO"	780.606
Lyons, 1.25 miles west of, at southwest corner of crossroads; spike in telephone pole, marked "772.6"	772.96
Lyons, at southeast corner of crossroads; top of water table, marked "766.5" (railroad bench mark)	766.86
Lyons, 0.8 mile east of, at southwest corner of crossroads; iron post stamped "758"	758.402
Seward, at southeast corner of crossroads; spike in telephone pole, marked "754.4"	754.78
Seward, 1 mile east of, at northwest corner of crossroads; spike in fence post, marked "750.2"	750.60
Seward, 1 mile east by 1 mile north of, northeast wing of bridge at northeast corner of crossroads; top of masonry, marked "738.5"	738.89
Point 2 miles north of Oak Shade west along public road to point 0.5 mile south of Ritters.	
Oak Shade, 2 miles north by 1 mile west of, at southeast corner of crossroads; iron post stamped "806 OHIO"	806.152
Oak Shade, 2 miles north by 2 miles west of, at northwest corner of crossroads; spike in fence, marked "766.1"	766.45
Oak Shade, 2 miles north by 3 miles west of, at southwest corner of crossroads; spike in fence post, marked "748.1"	748.44
Oak Shade, 2 miles north by 4 miles west of, at northeast corner of crossroads; iron post stamped "746 OHIO"	746.431
Ritters, 1 mile east by 0.5 mile south of, at southeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 24, 1905, 751"	751.771
Delta north along highways to point 4 miles northeast of Lyons (portion of line).	
Delta, 1 mile north of, southeast corner of crossroads; spike in base of fence post, marked "741.8"	741.93
Delta, 2 miles north of, northwest corner of crossroads; spike in base of fence post, marked "744.6"	744.74
Delta, 3 miles north of, southwest corner of T road south; iron post stamped "746"	747.260
Delta, 4.25 miles north of, southwest corner of crossroads; spike in base of fence post, marked "754.4"	754.60
Delta, 5 miles north of, southwest corner of crossroads; spike in base of fence post, marked "764.9"	765.09
Siney, 0.5 mile west of, southwest corner of crossroads; iron post stamped "754"	754.696
Siney, 0.5 mile west by 1 mile north of, southeast corner of T road south; spike in base of fence post, marked "750.2"	750.39
Lyons, 3 miles east by 1 mile north of, 50 feet west of crossroads, on top of east wing wall of north abutment of small iron bridge over Bear Creek; chiseled square, marked "738.674"	738.89

APPENDIX.

SECONDARY ELEVATIONS.

Secondary elevations from records and topographic maps of the United States Geological Survey, including altitudes of well-known summits, water-surface elevations of prominent lakes, and other useful elevations are given below. The figures are approximate only and should not be used for accurate work.

Locality.	Quadrangle.	County.	Elevation.
			<i>Feet.</i>
Adamsville.....	Conesville.....	Muskingum.....	1,020
Alton.....	West Columbus.....	Franklin.....	913
Amsterdam.....	Cadiz.....	Jefferson.....	934
Apple Creek.....	Wooster.....	Wayne.....	1,035
Atlas.....	Woodsfield.....	Belmont.....	1,288
Aultman.....	Canton.....	Stark.....	1,108
Aurora Pond, water surface.....	Chagrin Falls.....	Portage.....	996
Austintown.....	Warren.....	Mahoning.....	1,133
Ayersville.....	Continental.....	Defiance.....	732
Bald Hill.....	Chillicothe.....	Ross.....	1,231
Barlow.....	Parkersburg.....	Washington.....	757
Bass Lake, water surface.....	Chardon.....	Geauga.....	1,141
Bettsville.....	Tiffin.....	Seneca.....	709
Bethany.....	Mason.....	Butler.....	845
Blackleyville.....	West Salem.....	Wayne.....	1,007
Brady Lake.....	Kent.....	Portage.....	1,056
Brandt.....	Dayton.....	Miami.....	991
Brecksville.....	Cleveland.....	Summit.....	893
Bristol.....	New Lexington.....	Perry.....	1,085
Browns Knob.....	Caldwell.....	Noble.....	1,170
Buckeye Lake, water surface.....	Thornville-Thurston.....	Fairfield-Licking.....	892
Burbank.....	Wooster.....	Wayne.....	962
Burton City.....	Massillon.....	do.....	1,009
Camp Ground.....	Wellsville.....	Jefferson.....	824
Castine.....	West Manchester.....	Darke.....	1,079
Caywood.....	Marietta.....	Washington.....	607
Centerview.....	New Matamoras.....	Monroe.....	616
Chagrin Falls.....	Chagrin Falls.....	Geauga.....	940
Chambersburg.....	Dayton.....	Montgomery.....	981
Chatham.....	Newark.....	Licking.....	937
Chippewa Lake, water surface.....	Medina.....	Medina.....	987
Claridon.....	Chardon.....	Geauga.....	1,323
Clifton Park.....	Berea.....	Cuyahoga.....	678
Clinton.....	Massillon.....	Summit.....	970
Colebrook.....	Jefferson.....	Ashtabula.....	994
Congress.....	West Salem.....	Wayne.....	1,163
Constantia.....	Westerville.....	Delaware.....	907
Creston.....	Wooster.....	Wayne.....	991
Culberson.....	Ironton.....	Lawrence.....	604
Custar.....	McClure.....	Wood.....	696
Dalzell.....	Macksburg.....	Washington.....	1,067
Dilworth.....	Kinsman.....	Trumbull.....	1,064
Donnelsville.....	Springfield.....	Clark.....	929
Dover.....	Berea.....	Cuyahoga.....	726
Doylestown.....	Massillon.....	Wayne.....	1,277
Downingtown.....	Pomeroy.....	Meigs.....	827
Drexel Park.....	Miamisburg.....	Montgomery.....	955
Durgan.....	Wilkesville.....	Gallia.....	683

Locality.	Quadrangle.	County.	Elevation.
			<i>Feet.</i>
East Claridon.....	Chardon.....	Geauga.....	1,224
East Greenville.....	Massillon.....	Stark.....	1,163
East Rochester.....	Carrollton.....	Columbiana.....	1,088
Enon.....	Springfield.....	Clark.....	896
Ewington.....	Wilkesville.....	Gallia.....	674
Fairfield.....	Dayton.....	Montgomery.....	836
Fairport.....	Mentor.....	Lake.....	616
Fallsburg.....	Frazesburg.....	Licking.....	989
Farmington.....	Bristolville.....	Trumbull.....	844
Forest.....	Arlington.....	Hardin.....	926
Fort Seneca.....	Tiffin.....	Seneca.....	699
Fritch Lake, water surface.....	Kent.....	Portage.....	1,140
Funk.....	West Salem.....	Wayne.....	978
Gahanna.....	Westerville.....	Franklin.....	795
Galena.....	do.....	Delaware.....	931
Gallia.....	Oakhill.....	Gallia.....	859
Galloway.....	West Columbus.....	Franklin.....	886
Garrettsville.....	Garrettsville.....	Portage.....	1,000
Geauga Lake, water surface.....	Chagrin Falls.....	Cuyahoga-Portage.....	1,007
Gomer.....	Columbus Grove.....	Allen.....	779
Grand Reservoir, water surface.....	Spencerville.....	Anglaize-Mercer.....	870
Griffith.....	New Matamoras.....	Monroe.....	1,153
Gustavus.....	Kineman.....	Trumbull.....	1,071
Hampden.....	Chardon.....	Geauga.....	1,301
Harlem.....	Westerville.....	Delaware.....	1,003
Harmony.....	South Charleston.....	Clark.....	1,047
Harrisburg.....	Alliance.....	Stark.....	1,292
Hawk.....	Wilkesville.....	Vinton.....	640
Hebron.....	Thornville.....	Licking.....	891
Hendrysburg.....	Flushing.....	Belmont.....	983
Hinckley.....	Akron.....	Medina.....	1,103
Hilliard.....	Dublin.....	Franklin.....	937
Hockingport.....	Keno.....	Athens.....	593
Hollister.....	New Lexington.....	do.....	709
Huntington.....	Wellington.....	Lorain.....	970
Huntsburg.....	Chardon.....	Geauga.....	1,250
Hyattsville.....	Dublin.....	Delaware.....	928
Independence.....	Cleveland.....	Cuyahoga.....	860
Inland.....	Canton.....	Summit.....	1,189
Irville.....	Frazesburg.....	Muskingum.....	783
Jacobsburg.....	Clarington.....	Belmont.....	1,293
Jacobsburg triangulation station.....	do.....	do.....	1,385
Jacksontown.....	Thornville.....	Licking.....	1,013
Jaysville.....	Greenville.....	Darke.....	1,064
Jewell.....	Defiance.....	Defiance.....	723
Junction.....	Continental.....	Paulding.....	716
Kelloggsville.....	Conneaut.....	Ashtabula.....	855
Kilgore.....	Scio.....	Carroll.....	1,301
Kirkersville.....	Thurston.....	Licking.....	933
Kossuth.....	Spencerville.....	Anglaize.....	828
Laings.....	New Matamoras.....	Monroe.....	1,032
Lake Erie, water surface.....	Ashtabula, etc.....	Ashtabula, etc.....	573
Lake Phippen, water surface.....	Kent.....	Portage.....	1,038
Langsville.....	Pomeroy.....	Meigs.....	580
Lathrop.....	Chesterhill.....	Athens.....	635
Lattasburg.....	West Salem.....	Wayne.....	1,165
Leroy.....	Medina.....	Medina.....	1,103
Letart Falls.....	Ravenswood.....	Meigs.....	590
Lilly Chapel.....	London.....	Madison.....	977
Lightsville.....	St. Henry.....	Darke.....	1,041
Linden.....	Westerville.....	Franklin.....	861
Long Bottom.....	Keno.....	Meigs.....	591
Long Pond, water surface.....	Akron.....	Summit.....	963
Loydsville.....	St. Clairsville.....	Belmont.....	1,114
McKinley.....	Berea.....	Cuyahoga.....	779
McVitty.....	Arlington.....	Hardin.....	928
Mason.....	Mason.....	Warren.....	808
Maud.....	do.....	Butler.....	749
Maumee Bay, water surface.....	Maumee Bay.....	Lucas.....	573
Medway.....	Dayton.....	Miami.....	852
Melmore.....	Tiffin.....	Seneca.....	864
Mentor.....	Mentor.....	Lake.....	683
Mercer Reservoir, water surface.....	St. Henry.....	Mercer.....	870
Meyers, Lake, water surface.....	Canton.....	Stark.....	1,104
Millfield.....	Athens.....	Athens.....	676

Locality.	Quadrangle.	County.	Elevation.
Millville.....	Hamilton.....	Butler.....	<i>Feet</i> 627
Miltonsburg.....	Woodsfield.....	Monroe.....	1,306
Mineral Ridge.....	Warren.....	Trumbull.....	972
Monroe.....	Mason.....	Butler.....	844
Moulton.....	Spencerville.....	Auglaize.....	897
Mount Pleasant.....	Lancaster.....	Fairfield.....	1,091
Mount Pleasant.....	St. Clairsville.....	Jefferson.....	1,205
Mount Pleasant.....	Zaleski.....	Hocking-Vinton.....	962
Moorefield.....	Flushing.....	Belmont.....	1,205
Morrisville.....	Blanchester.....	Clinton.....	1,066
Mount Blanchard.....	Arlington.....	Hancock.....	837
Muddy Lake, water surface.....	Kent.....	Portage.....	1,060
New Berlin.....	Canton.....	Stark.....	1,159
New England.....	Chesterhill.....	Athens.....	803
New Franklin.....	Alliance.....	Stark.....	1,287
New Haven.....	Hamilton.....	Hamilton.....	561
New Lebanon.....	Miamisburg.....	Montgomery.....	913
New Milford.....	Ravenna.....	Portage.....	1,126
Newport.....	St. Marys.....	Washington.....	613
New Rumley.....	Scio.....	Harrison.....	1,265
North Benton.....	Alliance.....	Mahoning.....	1,068
North Bloomfield.....	Bristolville.....	Trumbull.....	897
Northfield.....	Cleveland.....	Summit.....	980
North Olmstead.....	Berea.....	Cuyahoga.....	779
North Ridgeville.....	Oberlin.....	Lorain.....	729
Norwich.....	Philo.....	Muskingum.....	1,002
Oconorville.....	New Lexington.....	Perry.....	843
Ogden.....	Blanchester.....	Clinton.....	903
Olivett.....	Flushing.....	Belmont.....	1,261
Olmstead Falls.....	Berea.....	Cuyahoga.....	770
Paris.....	Alliance.....	Stark.....	1,265
Patriot.....	Bidwell.....	Gallia.....	1,011
Patterson.....	Arlington.....	Hardin.....	924
Pekin.....	Steubenville.....	Jefferson.....	1,150
Penfield.....	Wellington.....	Lorain.....	844
Pennsville.....	McConnellsville.....	Morgan.....	1,023
Perry.....	Perry.....	Lake.....	701
Phillipsburg.....	Brookville.....	Montgomery.....	1,030
Phillips Knob.....	Ironton.....	Lawrence.....	1,012
Pikeville.....	Greenville.....	Darke.....	1,024
Pinegrove.....	Bidwell.....	Gallia.....	695
Pisgah.....	Mason.....	Butler.....	982
Pittsfield.....	Wellington.....	Lorain.....	812
Plain.....	West Salem.....	Wayne.....	1,134
Pleasant Home.....	 do	 do	1,058
Poplar.....	Sycamore.....	Wyandot.....	928
Poplar Flats.....	Ironton.....	Lawrence.....	1,026
Poplar Knob.....	Bidwell.....	Gallia.....	1,011
Potsdam.....	Brookville.....	Darke.....	1,008
Powell.....	Dublin.....	Delaware.....	909
Proctorville.....	Guyandot.....	Lawrence.....	555
Prospect Hill.....	Flushing.....	Belmont.....	1,203
Range.....	Mount Sterling.....	Madison.....	1,014
Redfield.....	Zanesville.....	Perry.....	878
Reinersville.....	Caldwell.....	Morgan.....	984
Rittman.....	Wooster.....	Wayne.....	958
River Styx.....	Medina.....	Medina.....	1,020
Rock Creek.....	Jefferson.....	Ashtabula.....	808
Rockhill.....	Flushing.....	Belmont.....	1,286
Ross.....	Hamilton.....	Butler.....	556
Roswell.....	Uhrichsville.....	Tuscarawas.....	956
Round Knob triangulation station.....	Wellsville.....	Columbiana.....	1,447
St. Johns.....	Lima.....	Auglaize.....	970
Saltito.....	Zanesville.....	Perry.....	850
Sandusky Bay, water surface.....	Bellevue-Sandusky.....	Erie-Ottawa-Sandusky.....	573
Sand Run.....	New Lexington.....	Hocking.....	800
Sandy Lake, water surface.....	Kent.....	Portage.....	1,066
Sardis.....	New Martinsville.....	Monroe.....	631
Sebring.....	Alliance.....	Mahoning.....	1,103
Sedalia.....	Mount Sterling.....	Madison.....	1,070
Shade.....	Pomeroy.....	Athens.....	810
Sharpsburg.....	Chesterhill.....	 do	653
Silver Lake.....	Kent.....	Summit.....	999
Somerdale.....	Canal Dover.....	Tuscarawas.....	910
Somerton.....	Woodsfield.....	Belmont.....	1,199
South Lorain.....	Oberlin.....	Lorain.....	639
South Point.....	Ceredo.....	Lawrence.....	560

Locality.	Quadrangle.	County.	Elevation.
			<i>Feet</i>
South Webster.....	Oak Hill.....	Lawrence.....	702
Spencer.....	Wellington.....	Medina.....	915
Spokane.....	Bristolville.....	Trumbull.....	925
Springfield Lake, water surface.....	Kent.....	Summit.....	1,076
Steele triangulation station.....	Woodsfield.....	Belmont.....	1,374
Strongsville.....	Berea.....	Lorain.....	930
Sugarloaf.....	Chillicothe.....	Ross.....	1,221
Summerford.....	London.....	Madison.....	1,103
Summit Lake.....	Akron.....	Summit.....	962
Sycamore.....	Sycamore.....	Wyandot.....	833
Tallmadge.....	Kent.....	Summit.....	1,116
Taylorburg.....	Brookville.....	Montgomery.....	888
Tibbetts Corners.....	Youngstown.....	Trumbull.....	972
Timothy Ridge.....	Cadiz.....	Jefferson.....	1,352
Tuscarawas.....	Uhrichsville.....	Tuscarawas.....	840
Twin Lakes, water surface.....	Kent.....	Portage.....	{ 1,053 1,052
Vanatta.....	Newark.....	Licking.....	879
Vandalia.....	Dayton.....	Montgomery.....	994
Vanue.....	Upper Sandusky.....	Wyandot.....	826
Vincent.....	Parkersburg.....	Washington.....	757
Wagner triangulation station.....	Bidwell.....	Gallia.....	1,015
Watertown.....	Parkersburg.....	Washington.....	701
West Brookfield.....	Massillon.....	Stark.....	1,047
West Leipsic.....	Ottawa.....	Putnam.....	771
West Mecca.....	Bristolville.....	Trumbull.....	933
West Rushville.....	Thornville.....	Fairfield.....	978
West Sonora.....	West Manchester.....	Preble.....	1,050
Weymouth.....	Medina.....	Medina.....	1,043
Wiedmans triangulation station.....	Woodsfield.....	Monroe.....	1,394
Wilkesville.....	Wilkesville.....	Vinton.....	706
Windsor Mills.....	Jefferson.....	Ashtabula.....	1,019
Woodgrove.....	Caldwell.....	Morgan.....	765
Woodington.....	Greenville.....	Darke.....	1,023

INDEX.

[For index to secondary elevations see pp. 100-103.]

A.	Page.		Page.
Africa.....	6	Broughton.....	77
Alcony.....	63	Browntown.....	10
Alta Station.....	35	Bryan.....	66, 67-68, 87, 88
Alvordton.....	84, 85	Bryan quadrangle.....	66-70
Alvordton quadrangle.....	83-86	Bucyrus.....	33, 46, 47, 48, 50
Amanda.....	14, 15-16	Bucyrus quadrangle.....	46-50
Amity.....	41, 45	Burlington.....	85-86
Anderson.....	24, 25	Butler.....	45
Andersonville.....	23	Butler quadrangle.....	70-71
Ankenytown.....	36, 38, 45		
Anna.....	60, 61	C.	
Antwerp.....	70, 75, 77, 78, 79	Caledonia.....	31, 33
Archbold.....	83, 96	Canal Winchester.....	6
Asbury Church.....	22	Caraghar.....	94-95
Ashley.....	27, 28	Cardington.....	27, 28, 32, 34
Ashville.....	16, 17, 18	Cardington quadrangle.....	25-28
Attica.....	55, 56	Caroline.....	55
Austin.....	21, 22	Carrothers.....	48, 50, 55
		Carryall Township.....	79
B.		Carysville.....	59
Bainbridge.....	14, 22, 23	Castown.....	62-63
Bainbridge quadrangle.....	14	Cavett.....	80, 82
Baldwin.....	76	Cecil.....	78
Baldwin, D. H., work of.....	6	Celina.....	71, 72
Ballou.....	62	Celina quadrangle.....	71-74
Baltimore & Ohio R. R.....	23-24,	Centerburg.....	30, 31
	28-29, 36, 40, 44-45	Centerton.....	56
Bangorville.....	37-38	Chatfield.....	48
Bangs.....	30	Chattanooga.....	64, 73
Batemantown.....	38	Chester schoolhouse.....	29
Batson.....	78	Chesterville.....	29
Bellefontaine quadrangle.....	58-59	Chicago.....	56
Bellville.....	36, 37, 45	Chillicothe.....	14-15, 23, 25
Bellevue.....	46	Chillicothe quadrangle.....	14-15
Bellevue quadrangle.....	46	Christiansburg.....	59, 62, 63
Bench marks, description of.....	6-7	Circleville.....	5, 17, 18, 19
plate showing.....	5	Circleville quadrangle.....	15-18
Berlin.....	91	Claridon.....	31, 33, 34
Berne quadrangle.....	64-65	Clark, Howard, work of.....	64, 82
Bibbee, E. C., work of.....	25, 39, 58	Clarksburg.....	21, 22, 23, 24
Billingstown.....	86	Claylick.....	5
Bladensburg.....	39, 40-41, 42	Cleveland, Akron & Cincinnati Ry.....	30, 38-39
Blakeslee.....	70, 90	Cleveland, Cincinnati, Chicago & St. Louis Ry.....	31, 32, 33-34, 54, 55
Bloomville.....	55	Climax.....	32, 33
Bobo quadrangle.....	65-66	Collins.....	52
Botkins.....	59-60	Columbia.....	86
Boudes Ferry.....	11	Condit.....	26, 30, 38
Boughtonville.....	52	Conover.....	63
Bourneville.....	22, 23, 24, 25	Continental quadrangle.....	74-75
Brailey.....	92	Convoy.....	65, 81, 82
Brandon.....	30	Cooney.....	91
Briceton.....	76	Crestline.....	54, 55
Bridgewater Center.....	90	Crissy.....	92, 93
Brinkhaven.....	43	Crowley.....	5
Brinkhaven quadrangle.....	39-40		

D.		H.	
	Page.		Page.
Danville.....	42	Halls Corners quadrangle.....	75-76
Darbyville.....	20, 21	Hamer.....	84
Darlington.....	37	Hamersville.....	11, 12, 13
Dawson.....	19	Harper station.....	21, 22
Defiance quadrangle.....	75	Harrison Township.....	5
Dekalb.....	47, 54	Hartland station.....	52
Delta.....	91-92, 93, 95, 97, 98, 99	Havana.....	56
Derby.....	21	Hedges Chapel.....	18
Dixon.....	65	Herron, W. H., work of.....	6
Douglas, E. M., work of.....	6	Hicksville.....	69, 70
Duck, A. D., work of.....	64, 83	Higginsport.....	10, 11
Durbin.....	73	Hiram.....	5
E.		Hoaglin.....	80
East Liberty.....	27	Hodges.....	74
Eastwood.....	14	Holland.....	92, 96
Ebush.....	24	Howard.....	41
Eckley.....	83, 97	Howell, C. W., work of.....	25, 46, 64, 82-83
Eden.....	27	Hunt.....	30, 40
Edlam.....	43	Hunts Corners.....	51, 57
Edgerton.....	68, 69-70, 71	Hyndon.....	22
Edison.....	32, 33	J.	
Edon.....	86-87, 90-91	Jackson Center.....	59, 60
Edon quadrangle.....	86-87	Johnsville.....	37
Elgin.....	72	K.	
Emmett.....	67, 75, 77	Kinderhook.....	19
Era quadrangle.....	18-21	Kingston.....	14
Erastus.....	73, 74	Kirkpatrick.....	31
F.		Kirkwood.....	62
Farmer Center.....	68	Knoxdale.....	79
Fayette.....	83, 84	L.	
Feesburg.....	11	Lakeville.....	42-43
Fitchville.....	51	Lancaster pike.....	17, 18
Five Points.....	12, 19, 20, 69	Latty.....	76, 77
Flat Rock.....	56, 57	Lattyville.....	22, 25
Fletcher.....	62, 63	Leesville.....	47, 50
Flitman, Philip, work of.....	25, 39, 46, 82	Leistville.....	15
Fox.....	19, 20	Lena.....	62, 63
Frank.....	57	Leonardsburg.....	6, 27
Frankfort.....	23-24	Levana.....	9-10
Fredericktown.....	28, 29	Lexington.....	36
Fredericktown quadrangle.....	28-31	Liberty.....	47
French, C. R., work of.....	63-64, 82-83	Liberty Center.....	87, 97
Fulton.....	26	Little Hocking.....	5
G.		Lock.....	31
Galion.....	31-32, 35, 47	Locust Ridge.....	13, 14
Gambier.....	41, 42	Loudonville.....	44
Gambier quadrangle.....	40-42	Loudonville quadrangle.....	42-44
Gannett, S. S., work of.....	6	Louisville.....	5
Garden.....	92, 93	Lowell.....	58
Gatton's Rock.....	45	Lucas.....	44
Georgetown.....	10, 11, 12, 13	Lucernville.....	29
Georgetown quadrangle.....	9-13	Lyons.....	95, 99
Geyer.....	60	M.	
Glenmont.....	43	Mabee.....	5
Glenmore.....	81	Mabrey, F., work of.....	25, 83
Glenntown.....	94	McGill.....	76
Grace Chapel.....	18	McNulta, J. J., work of.....	14, 46, 58
Grand Rapids.....	6	Madison.....	5
Greenfield quadrangle.....	21-22	Mansfield.....	35, 36, 44, 53, 54
Greenland.....	24-25	Maplewood.....	58-59, 60
Greenwich.....	50-51, 53, 54	Maps of quadrangles in Ohio, list of.....	8-9
Greer.....	43	Marengo.....	26, 28
		Marion quadrangle.....	31

	Page.
Marits.....	33
Mark Center.....	68, 69, 77-78
Martel.....	31, 33
Martinsburg.....	40, 42
Meade.....	14, 15
Melbern.....	68
Mendon.....	71-72
Mercer.....	72
Metamora.....	94
Miamiville.....	6
Middletown.....	47
Midway.....	93
Miffin.....	44
Mills, C. E., work of.....	9, 25, 46, 63-64, 82-83
Millwood.....	42
Monclova.....	92
Monroeville.....	51, 53
Montezuma.....	79
Montpelier.....	87, 88, 89, 90
Mount Gilead.....	32-33, 34, 35
Mount Gilead quadrangle.....	31-35
Mount Liberty.....	30
Mount Orab.....	12, 13, 14
Mount Sterling.....	19, 20
Mount Vernon.....	29, 30, 40, 41
Mural.....	6
Musselman.....	24
N.	
Napoleon quadrangle.....	87
Nashville.....	43
Nettle Lake.....	91
Nettle Lake Church.....	91
Newark quadrangle.....	45-46
New Castle.....	40
New Guilford.....	39, 40
New Haven.....	50
New Holland.....	20, 21
New Hope.....	12
Newingburg.....	23
New Pittsburg.....	49, 56
New Washington.....	49, 50
New Winchester.....	33
Ney.....	66, 67
Norfolk & Western Ry.....	12, 13-14
North Auburn.....	49, 50
North Fairfield.....	52
North Liberty.....	45
North Robinson.....	50
North Woodbury.....	37, 38
Norwalk.....	51, 52, 58
Norwalk quadrangle.....	50-53
O.	
Oakland.....	15
Oak Shade.....	98, 99
Odell.....	5
Ohio City.....	81-82
Ohio River & Columbus Ry.....	9-10
Olena.....	51
Olive Green.....	26-27
Omar.....	56, 57
Ottokree.....	98
P.	
Padua.....	64
Paulding.....	76, 77
Paulding quadrangle.....	76-79

	Page.
Payne.....	75, 78
Peerless.....	26
Pemberton.....	61
Penlan.....	25-26
Pennsylvania R. R.....	55
Perrysville quadrangle.....	44-45
Phersons Corners.....	19
Pioneer.....	89
Pioneer quadrangle.....	87-91
Pipesville.....	41-42
Piqua.....	62
Plattsville.....	61
Plymouth.....	55
Port Jefferson.....	60
Primrose.....	84
Pulaski.....	69, 84, 90

Q.

Quadrangles in Ohio, change of names in.....	6
Quincy.....	58, 59

R.

Raab.....	94
Rayburn, James.....	14
Republic.....	58
Rhoades.....	16
Ridgeton.....	48
Ringgold pike.....	17
Ripley.....	9
Ritters.....	86, 99
Robtown.....	19
Rockford.....	72, 73, 74, 81
Rome.....	53
Roxabell.....	24
Roxabell quadrangle.....	22-25
Royalton.....	16, 17
Russellville.....	12

S.

St. Henry quadrangle.....	79
St. James.....	32, 35
St. Paris.....	59
St. Paris quadrangle.....	59
St. Stephens.....	55
Sandusky quadrangle.....	58
Sardinia.....	10, 12, 13
Sardinia quadrangle.....	13-14
Schumm.....	74, 81
Scott.....	76, 79, 80, 82
Sea level, mean, definition of.....	7
Sevenmile.....	6
Seward.....	99
Shauck quadrangle.....	35-38
Shelby.....	54
Sherwood.....	66, 67
Shiloh.....	54
Shiloh quadrangle.....	53-55
Siam.....	56, 57
Siam quadrangle.....	55-58
Sidney.....	60, 61
Sidney quadrangle.....	59-61
Siney.....	95, 99
Skeels Crossroads.....	64
Slate Mills.....	24
South Bloomfield.....	18, 19
South Columbus.....	6

21



U.S. Geological Survey

Bulletin 518

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